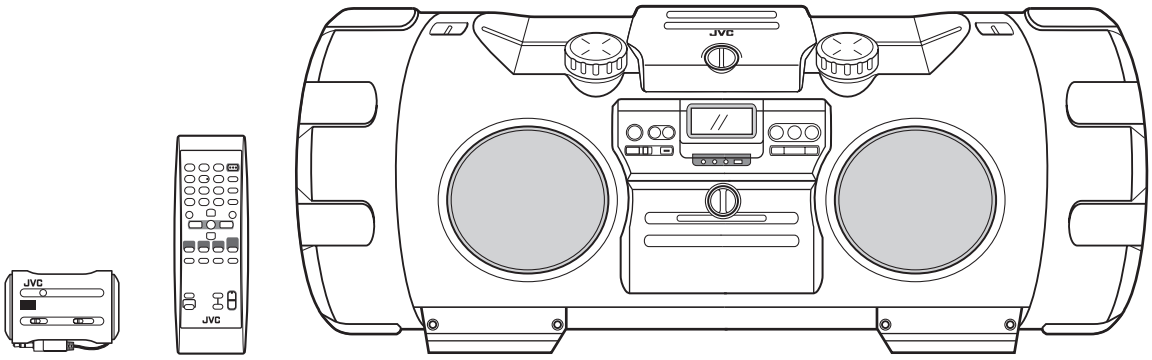
JVC

SERVICE MANUAL

POWERED WOOFER CD SYSTEM

RV-NB10BJ,RV-NB10BC,RV-NB10BB, RV-NB10BE,RV-NB10BEN,RV-NB10BEV, RV-NB10WJ,RV-NB10WC,RV-NB10WB, RV-NB10WE,RV-NB10WEN



Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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No.MB519
2006/3

SPECIFICATION

Amplifier	Output Power	United States and Canada	6 W per channel, min. RMS, at 4Ω from 150 Hz to 15kHz with no more than 10% total harmonic distortion. 20 W per channel woofer, min. RMS into 4Ω at 60 Hz with no more than 10% total harmonic distortion.
		Other countries	[Max.] 20 W (10 W + 10 W) at 4Ω (full range), 40 W (20 W + 20 W) at 4Ω, 60 Hz (woofer) [10% THD] 10 W (5 W + 5 W) at 4Ω (full range), 30 W (15 W + 15 W) at 4Ω, 60 Hz (woofer)
	Input Sensitivity/Impedance (1 kHz)		AUX IN : 300 mV/47 kΩ
	MIC/GUITAR INPUT: Switchable	MIC	200Ω - 2 kΩ (6.3 mm dia. plug)
		GUITAR	100 kΩ - 1 MΩ (6.3 mm dia. plug)
	Output Sensitivity/Impedance (1 kHz)		Phones : 16Ω - 1 kΩ 0 - 12 mW/ch output into 32Ω
Cassette Deck	Frequency Response : Type II (High position)		60 Hz - 14 kHz
	Wow and Flutter		0.15% (WRMS)
Disc Player	Dynamic range		90 dB
	Signal-to-noise ratio		95 dB
	Wow and Flutter		Unmeasurable
Tuner	WIRELESS (Only the United States and Canada)		87.50 MHz - 108.00 MHz
	FM Tuner		87.50 MHz - 108.00 MHz
	AM Tuner	United States and Canada	530 kHz - 1 710 kHz
		Other countries	(MW) 522 - 1 629 kHz (LW) 144 - 288 kHz
	Antenna	United States and Canada	FM telescopic antenna Ferrite core antenna for AM
		Other countries	FM telescopic antenna Ferrite core antenna for AM (MW/LW)
Speakers	Full range		8 cm (3-3/16")×2, 4Ω
	Super woofer		16 cm (6-5/16")×2, 4Ω
Wireless Transmitter (VFT-001) (Only the United States and Canada)	Power Requirements		DC 3 V ("R6/AA(15F)" batteries [2])
	Transmitting Frequencies		88.10 MHz, 88.30 MHz, 88.50 MHz, 88.70 MHz, 107.10 MHz, 107.30 MHz, 107.50 MHz, 107.70 MHz
	Input terminal		Stereo mini plug
	Frequency response		50 Hz to 12 000 Hz
	Battery life (at normal temperature)		Approx. 50 hours (with Alkaline batteries) Approx. 20 hours (with Manganese batteries)
	Dimensions		78 mm×55 mm×35 mm (W/H/D) (3-1/8"×2-3/16"×1-7/16")
	Mass		Approx. 50 g (0.12 lbs) (without batteries)
General	Dimensions		690 mm×239 mm×296 mm (W/H/D) (27-3/16"×9-7/16"×11-11/16")
	Mass		9.5 kg (21 lbs) (without batteries) 10.6 kg (23.4 lbs) (with batteries)
Power Specifications	Power Requirements	United States and Canada	AC 120 V , 60 Hz DC 15 V ("R20/D(13F)" batteries [10]) External DC 12 V (car battery via optional CA-R120 car adapter)
		Other countries	AC 230 V , 50 Hz DC 15 V ("R20/D(13F)" batteries [10]) External DC 12 V (car battery via optional car adapter)
	Power Consumption	United States and Canada	50 W (power on mode) 1.6 W (in standby mode)
		Other countries	43 W (power on mode) 1.6 W (in standby mode)

Design and specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 Safety Precautions

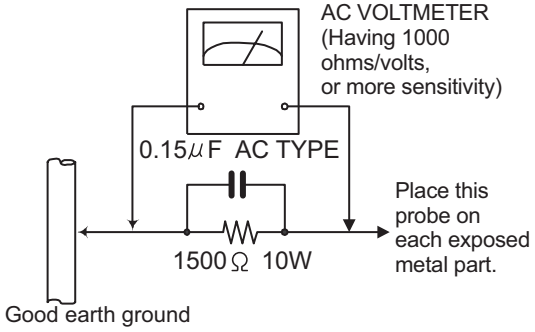
(1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.

(4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

(5) Leakage shock hazard testing
After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.Do not use a line isolation transformer during this check.
- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
- Alternate check method
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000Ω per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.
Measure the AC voltage across the resistor with the AC voltmeter.
Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



1.2 Warning

(1) This equipment has been designed and manufactured to meet international safety standards.
(2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(3) Repairs must be made in accordance with the relevant safety standards.
(4) It is essential that safety critical components are replaced by approved parts.
(5) If mains voltage selector is provided, check setting for local voltage.

1.3 Caution

Burrs formed during molding may be left over on some parts of the chassis.
Therefore, pay attention to such burrs in the case of preforming repair of this system.

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (●) or identified by the " ⚠ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer.
(This regulation dose not Except the J and C version)

1.5 Safety Precautions (U.K only)

(1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits.
(2) Any unauthorised design alterations or additions will void the manufacturer's guarantee; furthermore the manufacturer cannot accept responsibility for personal injury or property damage resulting therefrom.
(3) Essential safety critical components are identified by (⚠) on the Parts List and by shading on the schematics, and must never be replaced by parts other than those listed in the manual. Please note however that many electrical and mechanical parts in the product have special safety related characteristics. These characteristics are often not evident from visual inspection. Parts other than specified by the manufacturer may not have the same safety characteristics as the recommended replacement parts shown in the Parts List of the Service Manual and may create shock, fire, or other hazards.
(4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

1.5.1 Warning

(1) Service should be performed by qualified personnel only.
(2) This equipment has been designed and manufactured to meet international safety standards.
(3) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(4) Repairs must be made in accordance with the relevant safety standards.
(5) It is essential that safety critical components are replaced by approved parts.
(6) If mains voltage selector is provided, check setting for local voltage.

⚠ ***CAUTION*** **Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.**

1.6 Preventing static electricity

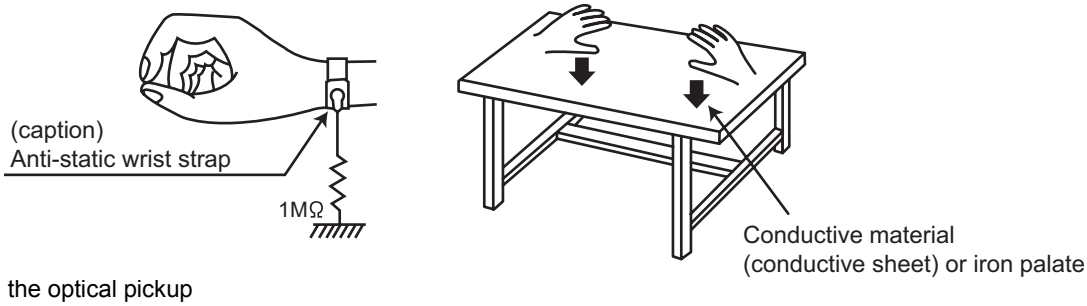
Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

1.6.1 Grounding to prevent damage by static electricity

Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as laser products.
Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench
Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

(2) Ground yourself
Use an anti-static wrist strap to release any static electricity built up in your body.



(3) Handling the optical pickup
- In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)
- Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

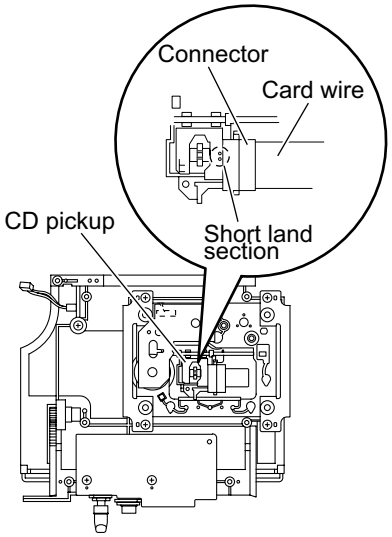
1.7 Handling the traverse unit (optical pickup)

(1) Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
(2) Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.
(3) Handle the flexible cable carefully as it may break when subjected to strong force.
(4) I t is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it.

1.8 Attention when traverse unit is decomposed

***Please refer to "Disassembly method" in the text for the pickup unit.**

- Apply solder to the short land sections before the flexible wire is disconnected from the connecto on the servo board. (If the flexible wire is disconnected without applying solder, the pickup may be destroyed by static electricity.)
- In the assembly, be sure to remove solder from the short land sections after connecting the flexible wire.



1.9 Important for laser products

1.CLASS 1 LASER PRODUCT

2.DANGER : Invisible laser radiation when open and inter lock failed or defeated. Avoid direct exposure to beam.

3.CAUTION : There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.

4.CAUTION : The CD,MD and DVD player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.

5.CAUTION : If safety switches malfunction, the laser is able to function.

6.CAUTION : Use of controls, adjustments or performance of procedures other than those specified here in may result in hazardous radiation exposure.

⚠ ***CAUTION*** **Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.**

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated.
AVOID DIRECT EXPOSUREBTO BEAM.

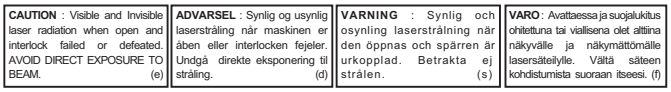
ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling.

VARNING : Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen.

VARO : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi.

REPRODUCTION AND POSITION OF LABELS

WARNING LABEL


CAUTION : Visible and Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)
ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejeler. Undgå direkte eksponering til stråling. (d)
VARNING : Synlig och osynling laserstrålning när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)
VARO : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)

CAUTION : Visible and Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)
VARO : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)
VARNING : Synlig och osynling laserstrålning när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)
ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejeler. Undgå direkte eksponering til stråling. (d)

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3
DISASSEMBLY

3.1 Main body

3.1.1 Removing the rear cabinet (See Fig.1 to 3)

(1) Remove the six screws **A** (both side) attaching the side protector by 6 angle wrench. (See Fig.1)
(2) Remove the eight screws **B** (both side) attaching the woofer, and then disconnect the speaker wires. (See Fig.2)
(3) Remove the ten screws **C** attaching the rear cabinet, and then disconnect the grand wire from tuner board. (See Fig.3)

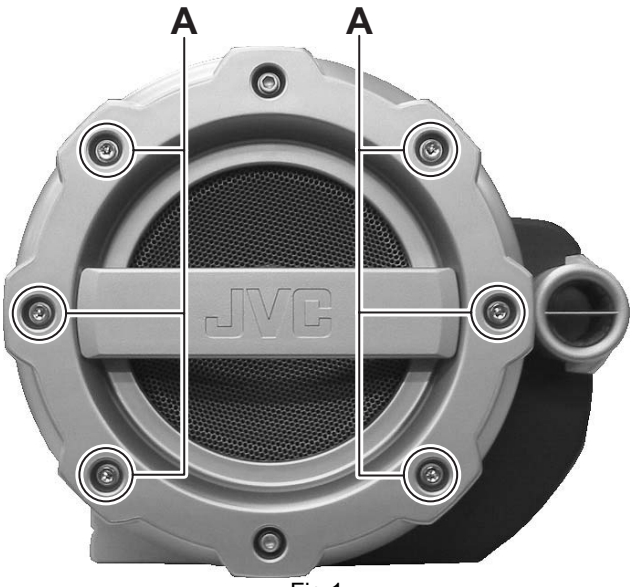


Fig.1

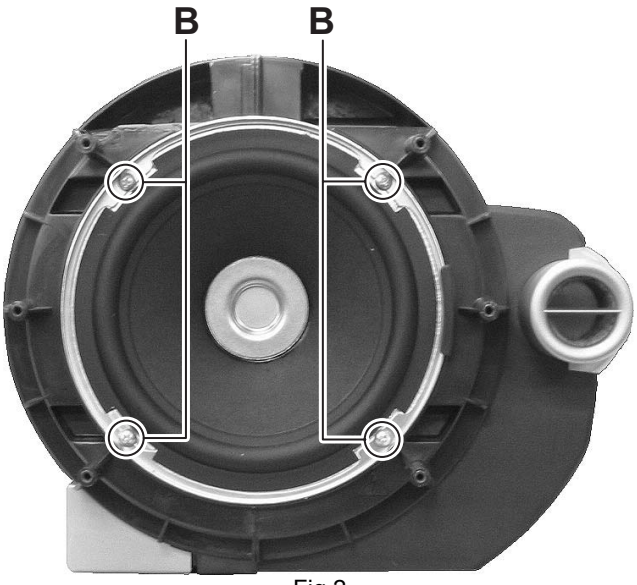


Fig.2

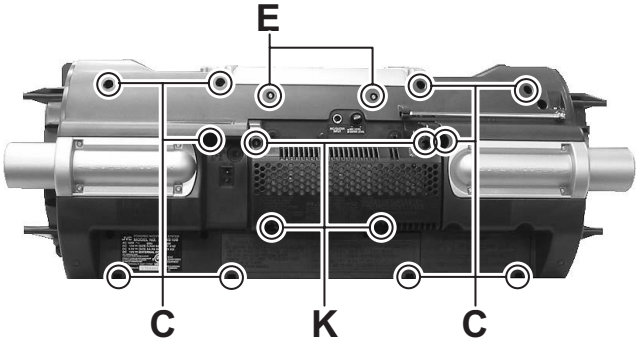


Fig.3

3.1.2 Removing the cassette mechanism assembly (See Fig.4 and 5)

(1) Remove the four screws **D** attaching the cassette mechanism. (See Fig.4)

(2) Disconnect the card wires connected to CN33 and CN34 from display control board. (See Fig.5)

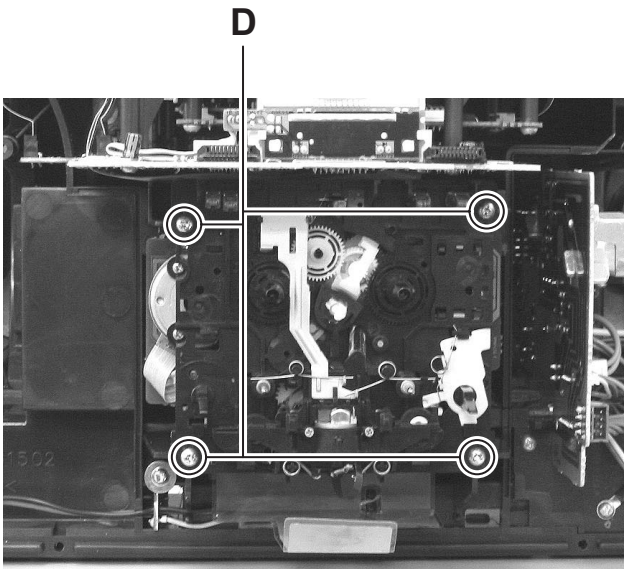


Fig.4

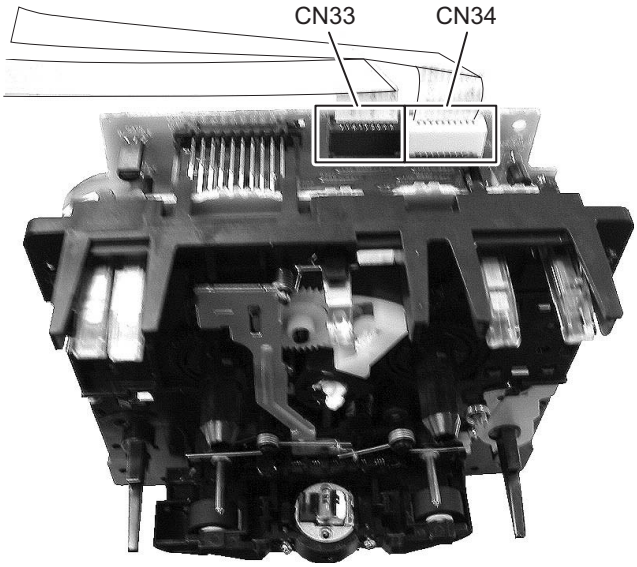


Fig.5

3.1.3 Removing the CD mechanism assembly (See Fig.3 and 6)

(1) Remove the two screws **E** attaching the CD mechanism assembly. (See Fig.3)
(2) Disconnect the card wire connected to CN403 from tuner board. (See Fig.6)
(3) Disconnect the card wires connected to CN407 and CN408 from equalizer amp board. (See Fig.6)

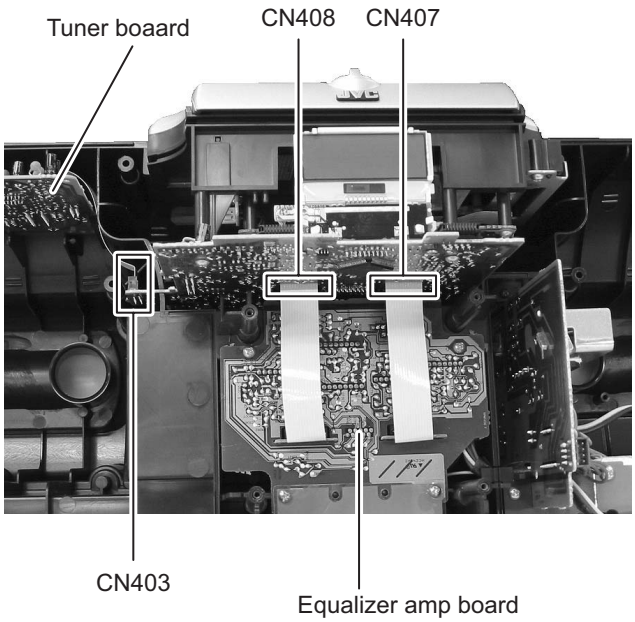


Fig.6

3.1.4 Removing the equalizer amp board (See Fig.7)

(1) Remove the four screws **F** attaching the equalizer amp board. (See Fig.7)

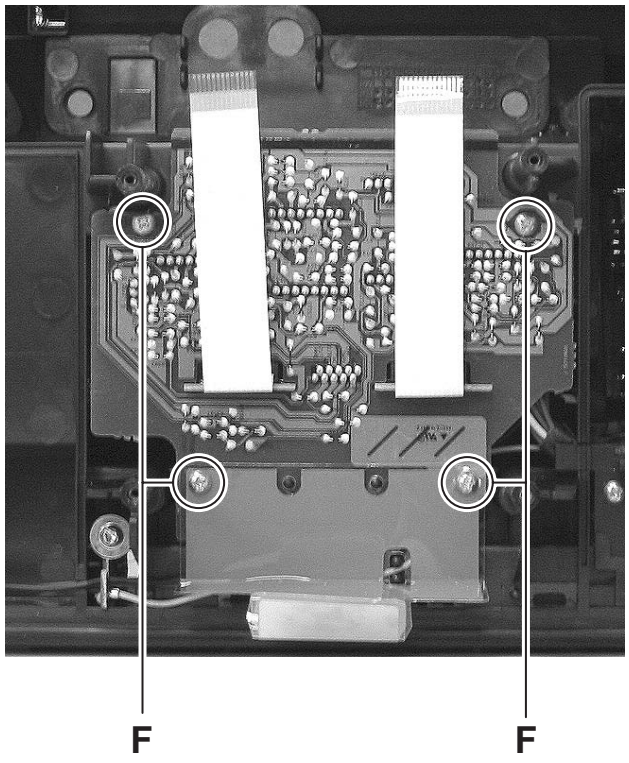


Fig.7

3.1.5 Removing the power supply board (See Fig.8 and 9)

(1) Disconnect the connector wires connected to CN194 and CN195 from power transformer. (See Fig.8)
(2) Disconnect the connector wires connected to CN191 and CN193 from power amplifier board. (See Fig.8)
(3) Remove the two screws **G** attaching the power supply board. (See Fig.9)

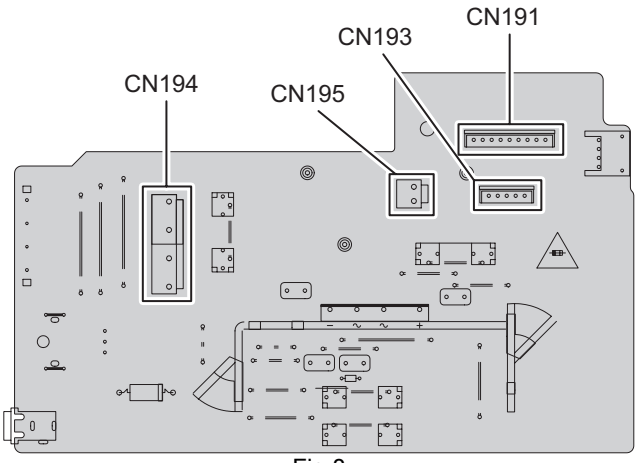


Fig.8

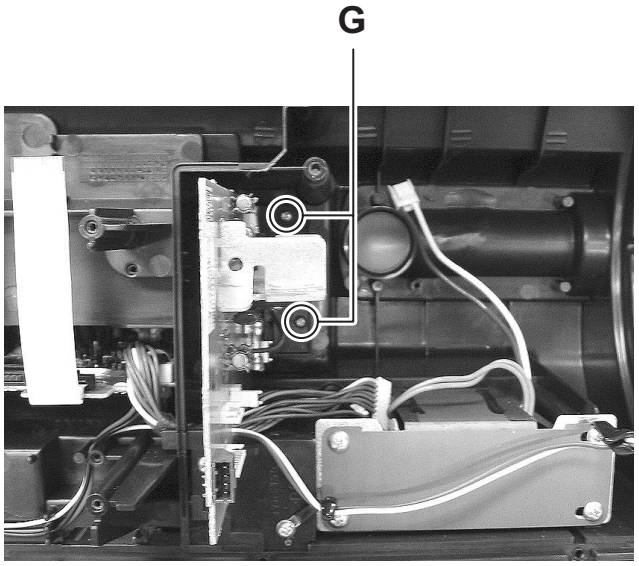


Fig.9

3.1.6 Removing the power transformer (See Fig.10)

(1) Remove the four screws **H** attaching the power transformer.

3.1.7 Removing the power amplifier board (See Fig.3, 10 and 11)

(1) Remove the two screws **J** attaching the cover. (See Fig.10)
(2) Remove the four screws **K** attaching the heat sink cover. (See Fig.3)
(3) Remove the four screws **L** attaching the power amplifier board. (See Fig.11)

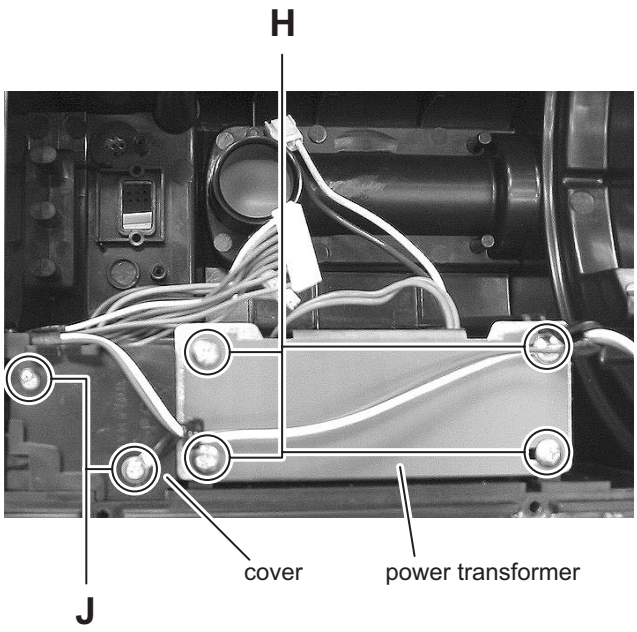


Fig.10

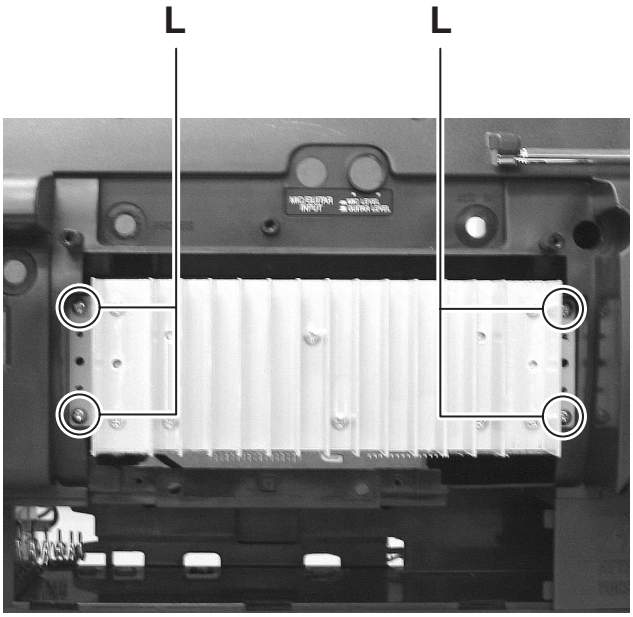


Fig.11

3.1.8 Removing the display control board (See Fig.12 to 14)

(1) Disconnect the connector wire connected to CN751 from guitar and mic. jack board. (See Fig.12)
(2) Remove the four screws **M** attaching the display control board. (See Fig.13)
(3) Disconnect the card wire connected to CN404 from CD servo board. (See Fig.14)

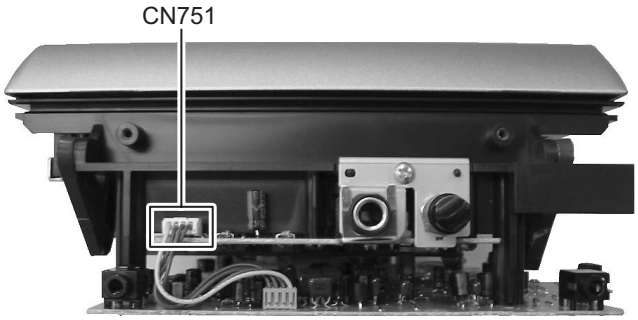


Fig.12

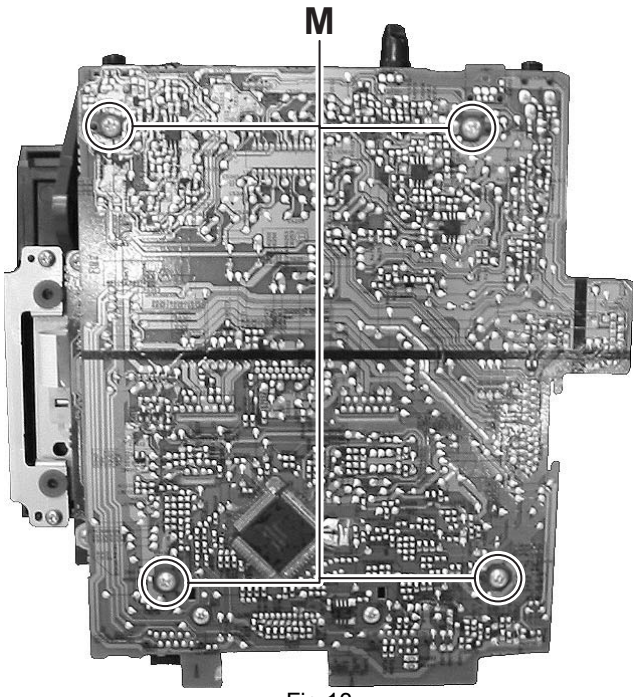


Fig.13

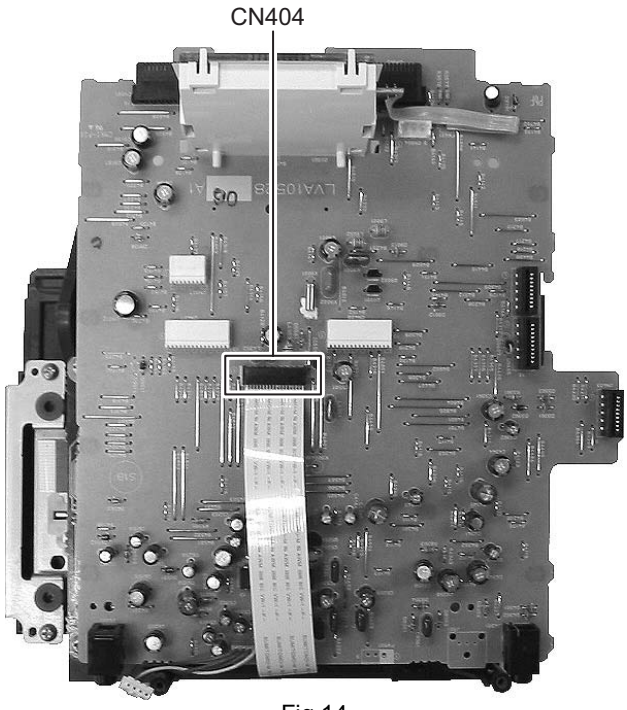


Fig.14

3.1.9 Removing the CD servo board (See Fig.15 and 16)

(1) Remove the four screws **N** attaching the CD servo board. (See Fig.15)
(2) Disconnect the connector wire connected to CN603 from door switch board. (See Fig.15)
(3) Disconnect the connector wire connected to feed motor board.
(4) Solder the short land section on the card wire of CD pickup. (See Fig.16)

CAUTION:

- Solder the short land section on the card wire of CD pickup before disconnecting the card wire from the connector on the CD pickup. If the card wire is disconnected without attaching the solders, the pickup may be destroyed by static electricity.
- When attaching the CD pickup, be sure to remove solders from the short land section after connecting the card wire to the connector on the CD pickup.

(5) Disconnect the card wire connected to CN601 from CD pickup.

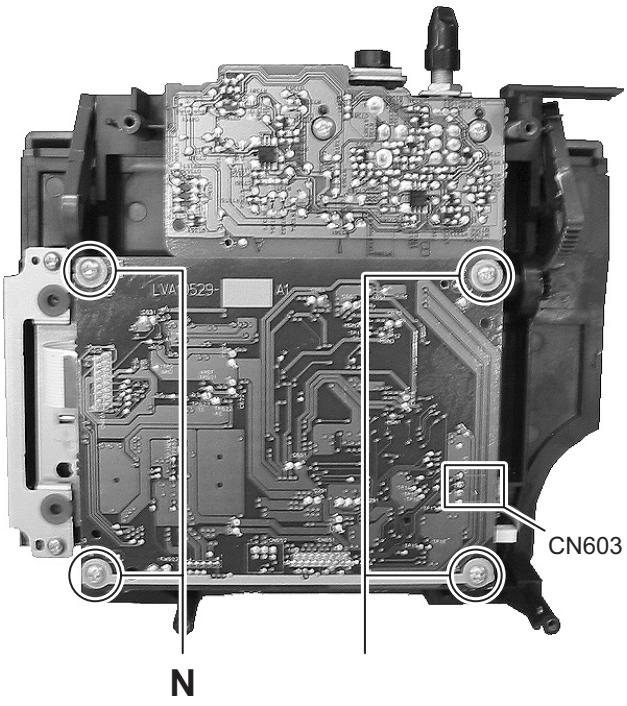


Fig.15

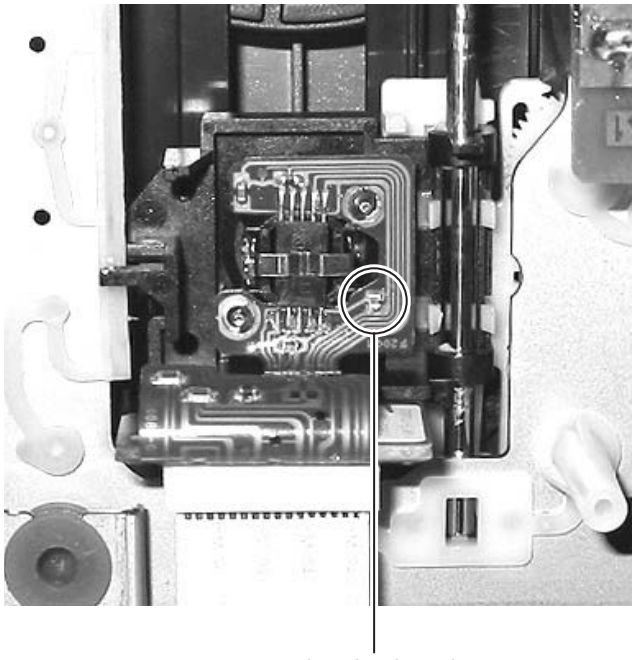


Fig.16

3.1.10 Removing the traverse mechanism (See Fig.17)

(1) Remove the four screws **P** attaching the traverse mechanism.

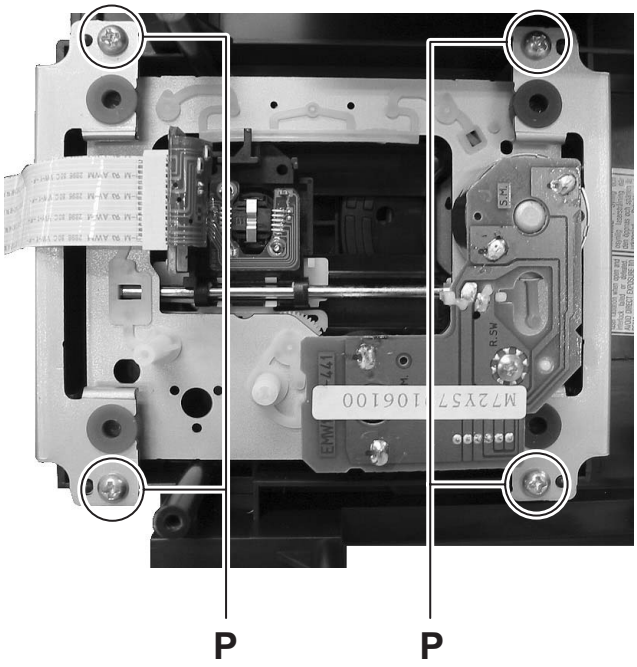


Fig.17

3.1.11 Removing the guitar and mic. Jack board (See Fig.18 and 19)

(1) Remove the two screws **Q** attaching the guitar and mic. Jack board. (See Fig.18)

(2) Remove the one screw **R** attaching the guitar and mic. Jack board. (See Fig.19)

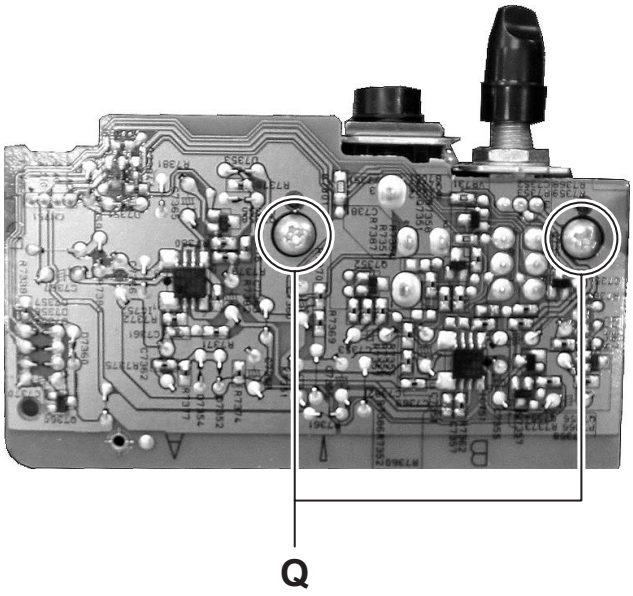


Fig.18

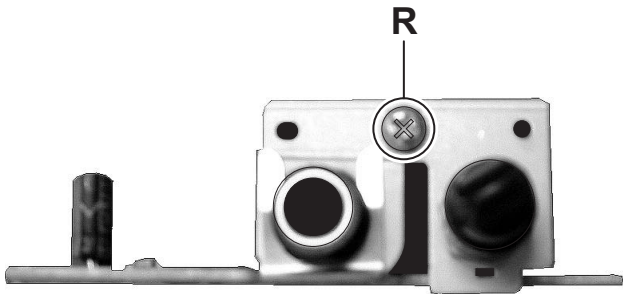


Fig.19

3.1.12 Removing the front cabinet (See Fig.20 and 21)

(1) Remove the eights screws **S** (both side) attaching the speaker cover. (See Fig.20)
(2) Remove the eight screws **T** (both side) attaching the speaker. (See Fig.21)

Fig.20

Fig.21

3.1.13 Removing the key board
(See Fig.22 and 23)

(1) Take off the volume and super woofer volume knob.
(2) Remove the two nuts **U** attaching the main volume and super woofer volume. (See Fig.22)
(3) Remove the eight screws **V** attaching the key board. (See Fig.23)

Fig.22

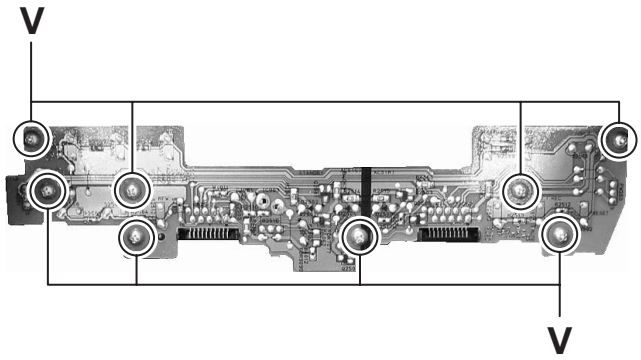


Fig.23

3.1.14 Removing the transmitter board (See Fig.24 and 24)

(1) Remove the two screws **W** attaching the transmitter board. (See Fig.24)

(2) Pull up the transmitter board with cable. (See Fig.24)

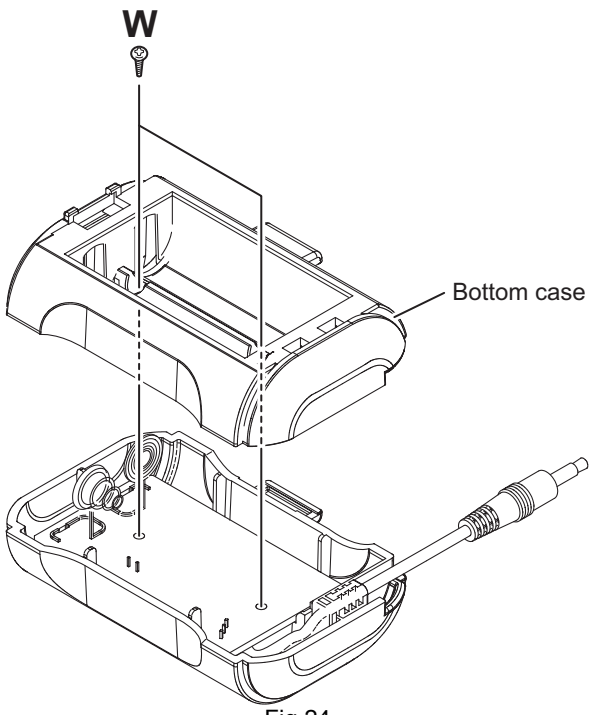


Fig.24

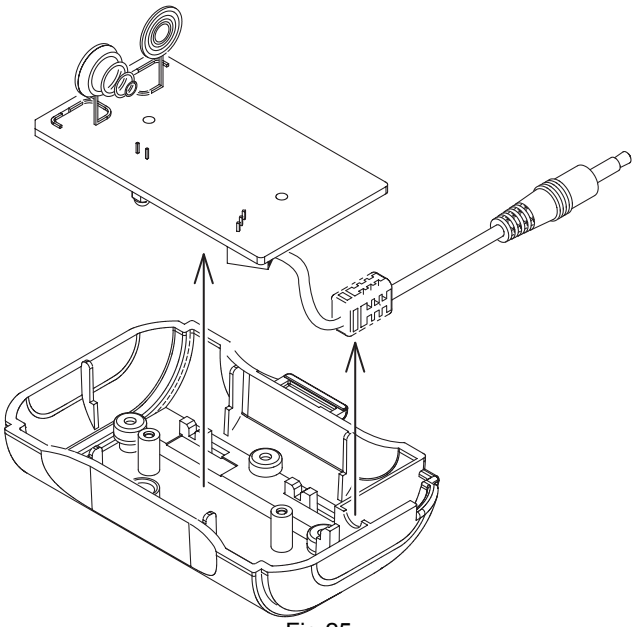


Fig.25

3.2 CD traverse mechanism section

• Remove the CD traverse mechanism assembly. (See "3.1.12 Removing the CD traverse mechanism assembly".)

3.2.1 Removing the CD pick (See Figs.1 and 2)

(1) Remove the CD mechanism holders in the direction of the arrow. (See Fig.1.)
(2) Remove the four screws **A** attaching the pick cover. (See Fig.1.)
(3) Remove the insulators (brown and orange) from the CD mechanism base assembly. (See Fig.2.)
(4) Remove the CD shaft from the CD mechanism base assembly in the direction of the arrow 2 while moving the shaft stopper in the direction of the arrow 1. (See Fig.2.)
(5) Remove the CD pick from the CD mechanism base assembly.

3.2.2 Installing the CD pick (See Figs.1 and 2)

(1) While installing the section **a** of the CD pick to the CD mechanism base assembly, set the CD shaft to the section **b**. (See Fig.2.)
(2) Install the insulators (brown and orange) to the CD mechanism base assembly. (See Fig.2.)
(3) Attach the pick cover and CD mechanism holders. (See Fig.1.)

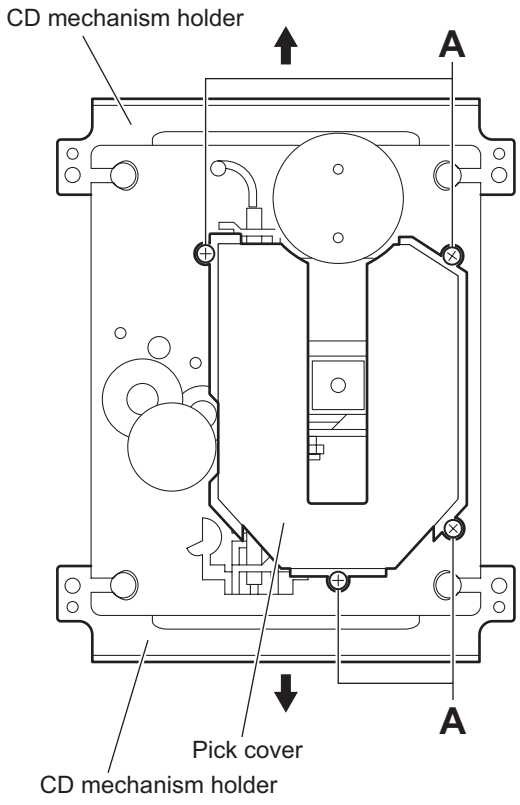


Fig.1

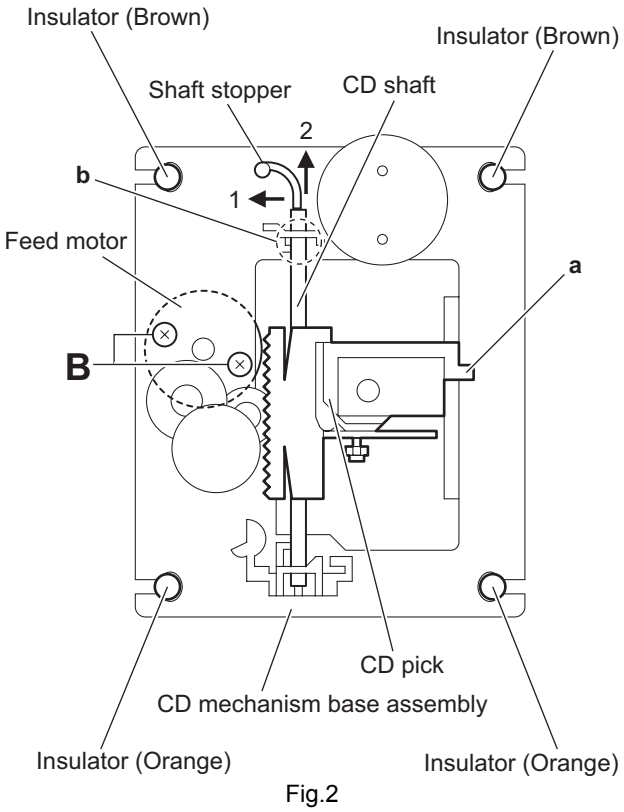


Fig.2

3.2.3 Removing the spindle motor and feed motor (See Fig.2 to 4)

(1) Remove the two screws **B** attaching the feed motor. (See Fig.2.)
(2) Remove the turn table in an upward direction and remove the two screws **C** attaching the spindle motor. (See Fig.3.)
(3) From the bottom side of the CD mechanism base assembly, remove the screw **D** attaching the spindle/feed motor board. (See Fig.4.)
(4) Remove the solders from the sections (**c**, **d**) on the spindle/feed motor board. (See Fig.4.)

3.2.4 Installing the spindle motor and feed motor (See Figs.3 to 6)

(1) Tighten the two screws **B** and two screws **C** to the same torque. (See Figs.2 and 3.)
(2) Fasten the spindle/feed motor board with the screw **D**. (See Fig.4.)
(3) Solder the spindle and feed motors on the spindle/feed motor board as before. (See Fig.4.)
(4) Install the turn table. When installing, press straight down at the center of the turn table until the distance from the surface of the CD mechanism base assembly to the top of the turn table is exactly 19.4±0.1mm. (See Fig.5.)
(5) After insertion is complete, bond the motor shaft and turn table together. (See Fig.6.)
(6) Use 'LOCKTITE' #460 bonding agent, and apply as little as possible. Take care not to allow any excess bonding agent to get onto the turn table. Be extremely careful not to allow bonding agent to adhere to the motor bearings. (See Fig.6.)

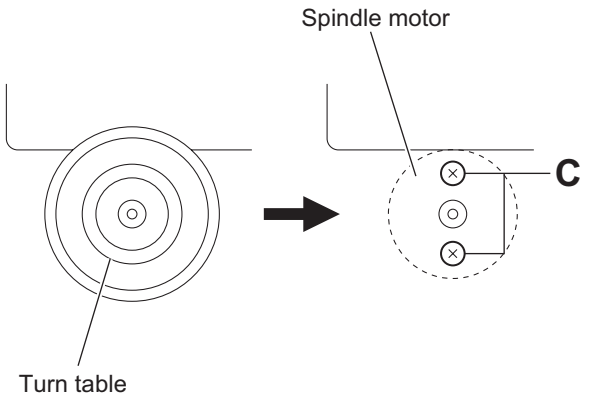


Fig.3

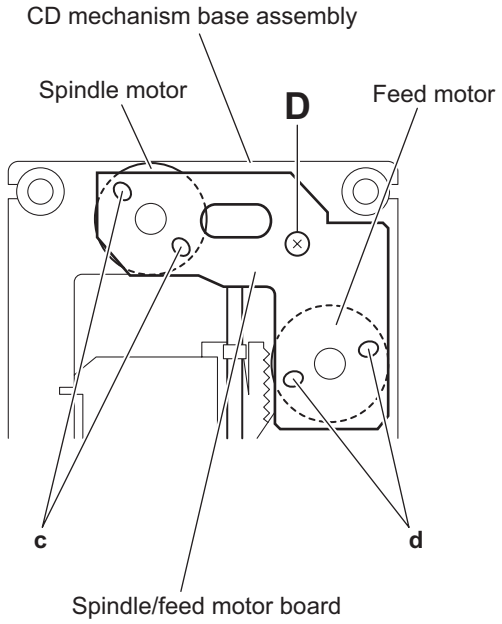


Fig.4

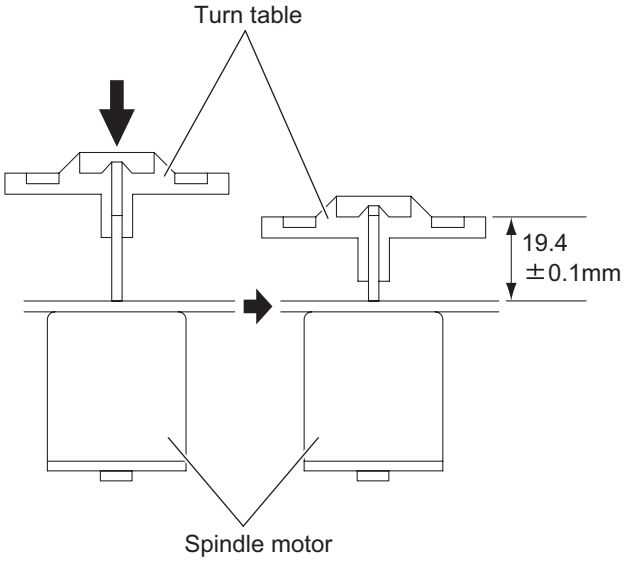


Fig.5

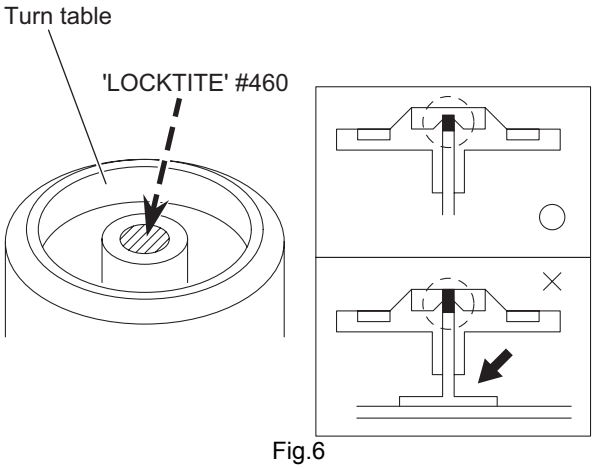


Fig.6

3.3 Cassette mechanism section

• Remove the cassette mechanism assembly. (See "3.1.3 Removing the cassette mechanism assembly".)

3.3.1 Removing the head amplifier & mechanism control board (See Fig.1)

(1) After turning over the cassette mechanism assembly, remove the three screws **A** attaching the head amplifier & mechanism control board.
(2) Disconnect the flexible wire from the connector CN31 on the head amplifier & mechanism control board.
(3) Disconnect the head amplifier & mechanism control board from the connector CN1 on the switch board and remove the head amplifier & mechanism control board.

Reference:

Remove the solders from the section a to remove the parallel wire soldered to the D.C. motor as required.

3.3.2 Removing the D.C. motor (See Figs.1 to 4)

(1) From the bottom side of the cassette mechanism assembly, remove the solders from the sections a. (See Fig.1.)
(2) From the top side of the cassette mechanism assembly, remove the two screws **B** attaching the D.C. motor. (See Fig.1.)
(3) While raising the D.C. motor, remove the capstan belt from the motor pulley. (See Fig.2)

Caution:

Be sure to handle the capstan belt so carefully that this belt will not be stained by grease and other foreign matter. Moreover, these belts should be hanged while referring to the capstan belt hanging method. (See Figs.3 and 4.)

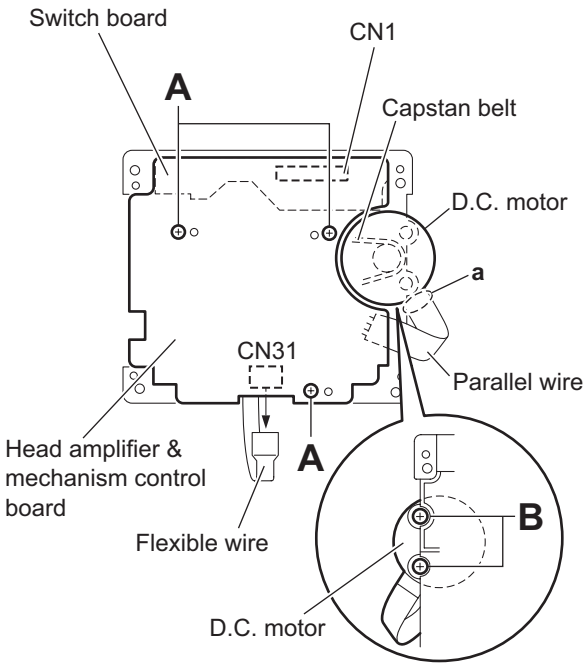


Fig.1

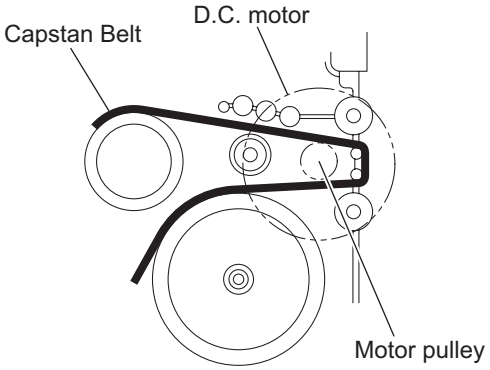


Fig.2

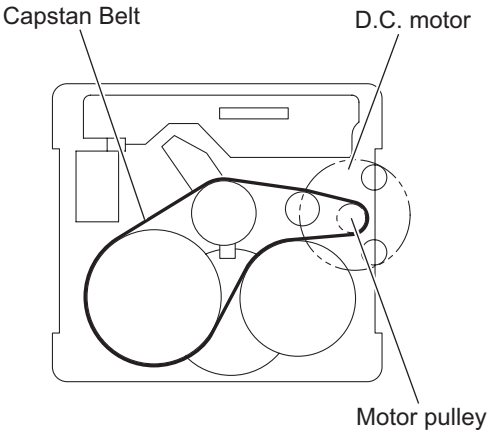


Fig.3

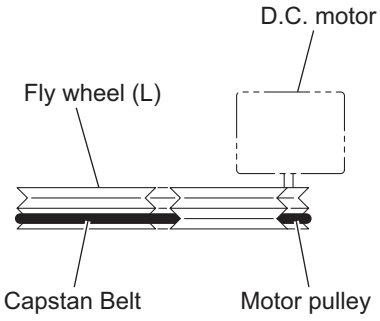


Fig.4

3.3.3 Removing the flywheels (See Figs.5 and 6)

- Remove the head amplifier & mechanism control board and D.C. motor.
  (1) After turning over the cassette mechanism assembly, remove the slit washers (**b**, **c**) fixing the capstan shafts R and L.
  (2) Pull out the flywheel(R) and flywheel(L) respectively from the bottom side of the cassette mechanism assembly.

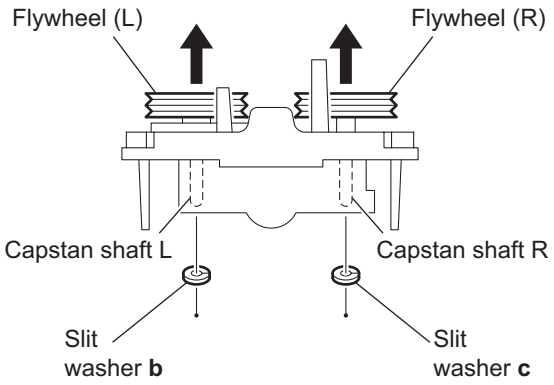


Fig.5

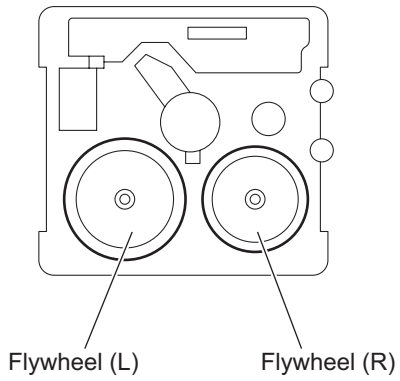


Fig.6

3.3.4 Removing the DC solenoid and switch board (See Fig.7)

- Remove the head amplifier & mechanism control board and D.C. motor.
  (1) Remove the screw **C** attaching the switch board.
  (2) Remove the pawls (**d**, **e**, **f**, **g** and **h**) attaching the switch board.
  (3) From the top side of the cassette mechanism assembly, remove the pawls (**i**, **j**) attaching the DC solenoid.

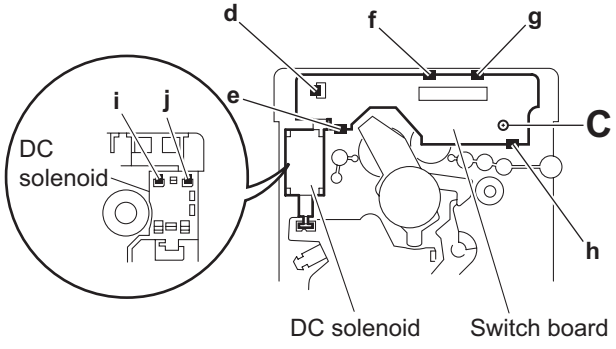


Fig.7

3.3.5 Removing the playback/recording head (See Figs.8, 9, 12)

(1) While shifting the trigger arms seen on the right side of the head mount assembly in the direction of the arrow, turn the flywheel (L) in counterclockwise direction until the head mount assembly has gone out with a click. (See Figs.8 and 9.)
(2) When the flywheel (L) is rotated in counterclockwise direction from the position in Fig.9 to that in Fig.12.
(3) At this position, disconnect the flexible wire (outgoing from the playback/recording head) from the connector CN31 on the head amplifier & mechanism control board. (See Fig.12.)
(4) Remove the flexible wire from the section k. (See Fig.12.)
(5) Remove the spring from the bottom side of the playback/recording head. (See Fig.12.)
(6) Loosen the reversing azimuth screw attaching the playback/recording head. (See Fig.12.)
(7) Take out the playback/recording head from the front side of the head mount assembly.

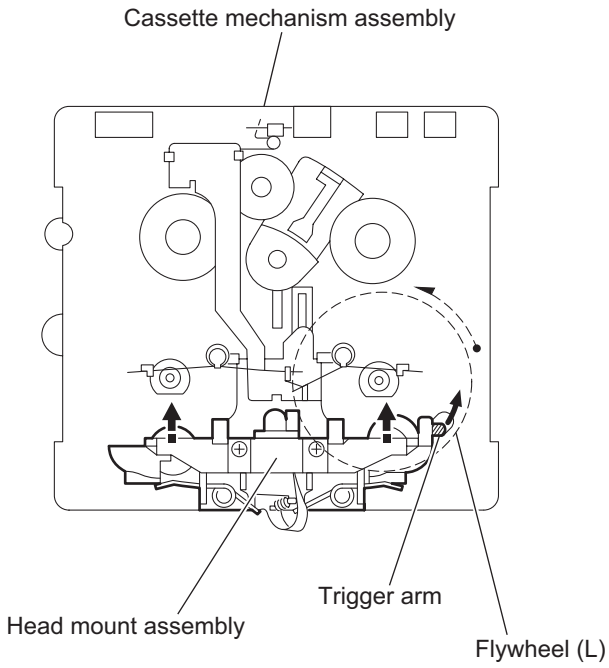


Fig.8

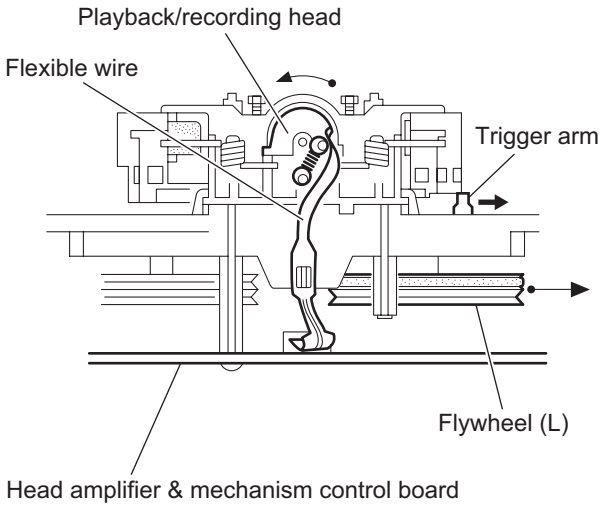


Fig.9

3.3.6 Reassembling the playback/recording head (See Figs.10 to 12)

(1) Reassemble the head mount.
   a) To become direction of the left side, direction lever of the head mount assembly is maintained by the hand. (See Fig.11.)
   b) Reassemble the playback/recording head from the front of the head mount assembly to the position as shown Fig.10, Fig11, and Fig.12. (**m'**, **n'**, **p'** and **q'**, **r'** are set to the hole of **n** and **p** and ditches of **m**, **q** and **r** and thrusting out the head mount assembly is built in.

(2) Fix the reversing azimuth screw. (See Fig.12.)

(3) Set the spring from the bottom side of the playback/recording head. (See Fig.12.)

(4) Attach the flexible wire to the section k of the chassis base assembly. (See Fig.12.)

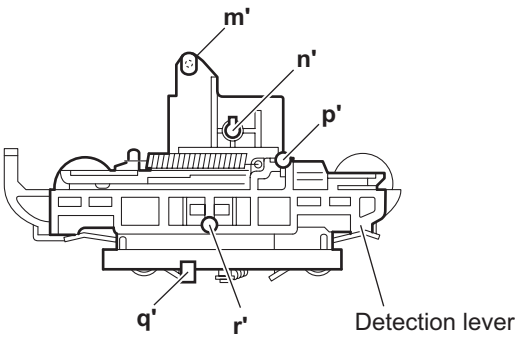


Fig.10

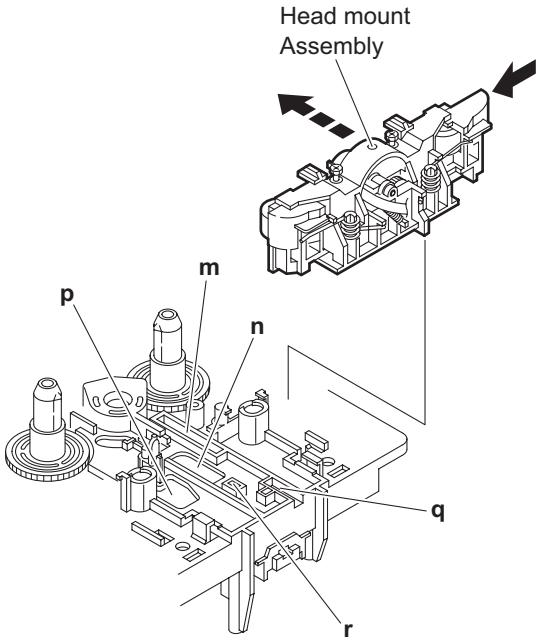


Fig.11

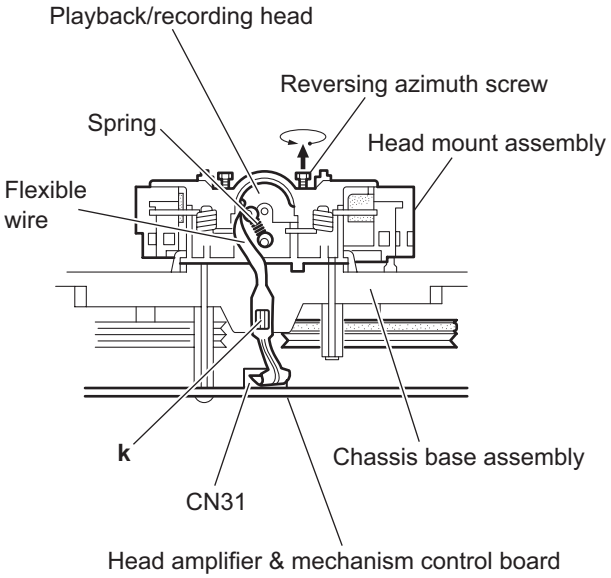


Fig.12

3.3.7 Reassembling the Control Cam (See Figs.13 to 15)

The head assembly is adjusted in the direction of the left side (direction of the forward), and it inserts according to the part of the hole s of the control cam and the section s' of the chassis base assembly.

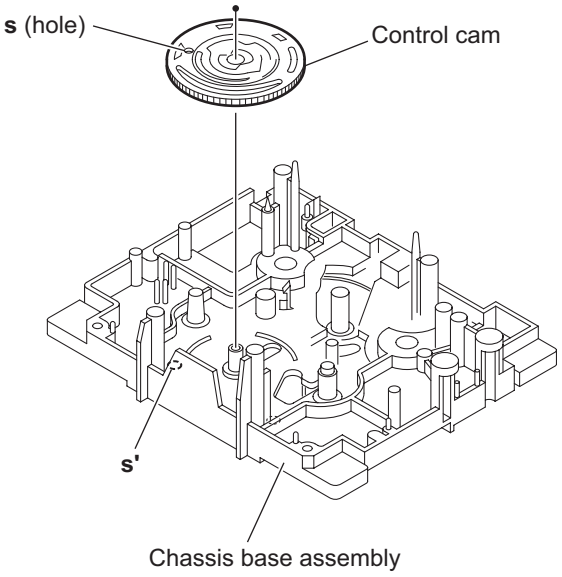


Fig.13

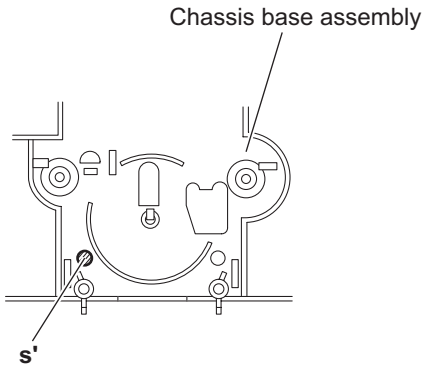


Fig.14

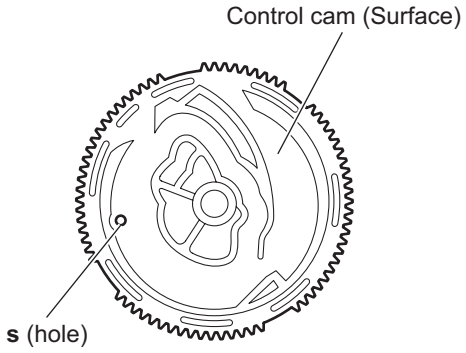
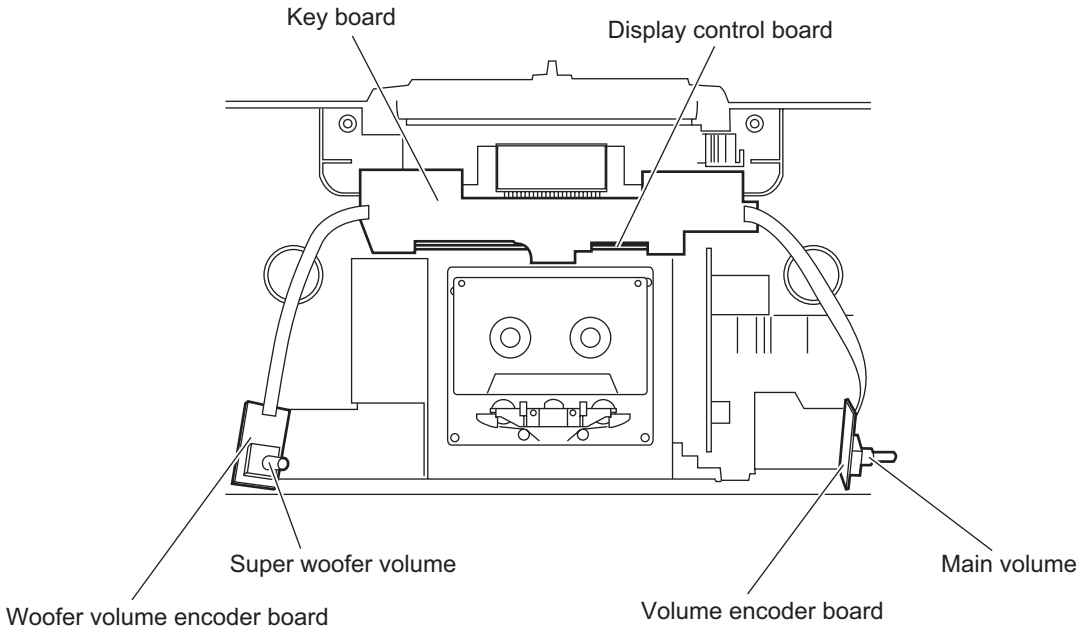


Fig.15

SECTION 4
ADJUSTMENT

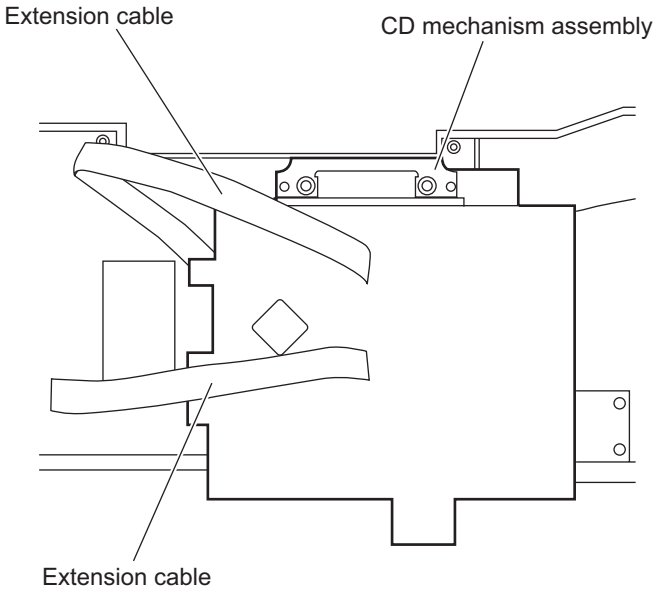
4.1 Connection of adjustment

4.1.1 Connection of cassette deck and circuit board check



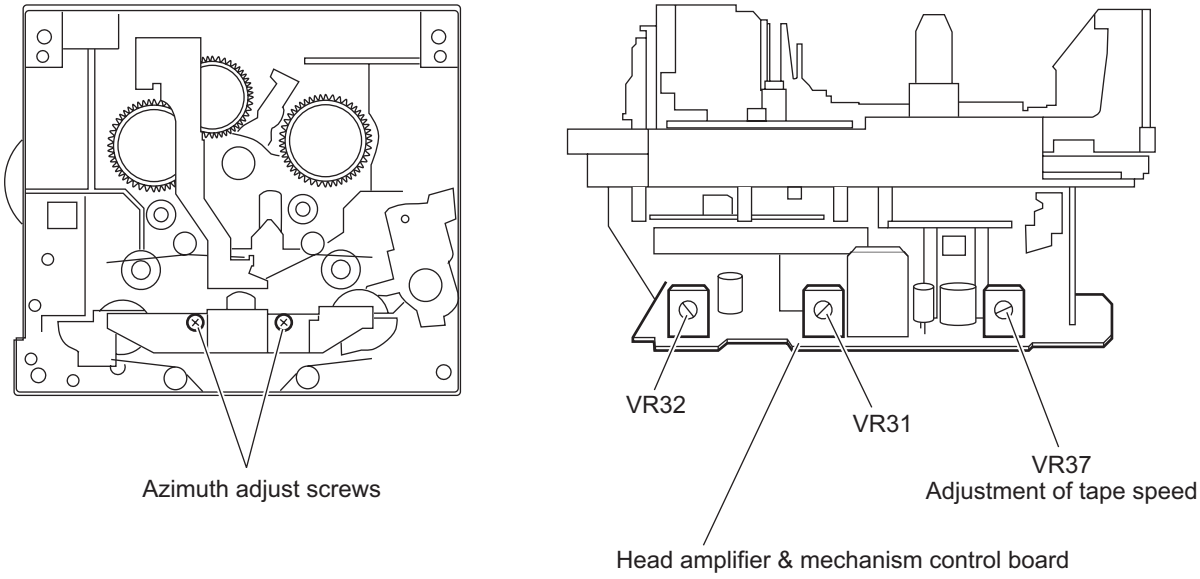
*Remove the key, volume encoder and woofer volume encoder boards from the front cabinet assembly and connect them to the display control board.

4.1.2 Connection of CD mechanism assembly check



4.2 Adjustment of cassette mechanism section

4.2.1 Arrangement of adjusting points



4.2.2 Electrical performance

Items	Measurement conditions	Measurement method	Standard values	Adjusting positions
Adjustment of recording bias current (Reference value)	*Mode : Forward or reverse mode *Recording mode *Test tape : AC-514 and AC-225 Measurement output terminal : Both recording and headphone terminals	1. With the recording and playback mechanism, load the test tapes(AC-514 to TYPEⅡ and AC-225 to TYPEⅠ),and set the mechanism to the recording and pausing conditions in advance. 2. After connecting 100Ω in series to the recorder head, measure the bias current with a valve voltmeter at both of the terminals. 3. After resetting the [PAUSE] mode, start recording. At this time, adjust VR31 for Lch and VR32 for Rch so that the recording bias current values become 4.0μA (TYPEⅠ) and 4.20μA(TYPEⅡ).	AC-225 :4.20μA AC-514 :4.0μA	LcH :VR31 RcH :VR32
Adjustment of recording and playback frequency characteristics	Reference frequency : 1kHz and 10kHz (REF:-20dB) Test tape : TYPE Ⅱ AC-514 Measurement input terminal : OSC IN	1. With the recording and playback mechanism, load the test tape(AC-514 to TYPEⅡ),and set the mechanism to the recording and pausing condition in advance. 2. While repetitively inputting the reference frequency signal of 1kHz and 10kHz from OSC IN, record and playback the test tape. 3. While recording and playing back the test tape in TYPEⅡ,adjust VR31 for LcH and VR32 for RcH so that the output deviation between 1kHz and 10kHz becomes -1dB±2dB.	Output deviation between 1kHz and 10kH :-1dB±2dB	LcH :VR31 RcH :VR32

4.2.3 Reference values for electrical function confirmation items

Items	Measurement conditions	Measurement method	Standard values	Adjusting positions
Recording bias frequency	*Recording and playback side forward or reverse *Test tape : TYPE Ⅱ AC-514 *Measurement terminal : BIAS TP on circuit board	1. While changing over to and from BIAS 1 and 2, confirm that the frequency is changed. 2. With the recording and playback mechanism, load the test tape (AC-514 to TYPE Ⅱ), and set the mechanism to the recording and pausing conditions in advance. 3. Confirm that the BIAS TP frequency on the circuit board is 100kHz ± 6kHz.	100kHz ± 6kHz	
Eraser current (Reference value)	*Recording and playback side forward or reverse *Recording mode *Test tape : AC-514 and AC-225 Measurement terminal : Both of the eraser head	1. With the recording and playback mechanism, load the test tapes (AC-514 to TYPE Ⅱ and AC-225 to TYPE Ⅰ), and set the mechanism to the recording and pausing condition in advance. 2. After setting to the recording conditions, connect 1MΩ in series to the eraser head on the recording and playback mechanism side, and measure the eraser current from both of the eraser terminal.	TYPE Ⅱ :120mA TYPE Ⅰ :75mA	

4.2.4 Tape recorder section

Items	Measurement conditions	Measurement method	Standard values	Adjusting positions
Confirmation of head angle	Test tape : TMT7036 (10kHz) Measurement output terminal : Speaker terminal Speaker R : headphone terminal	1. Playback the test tape TMT7036 (10kHz). 2. With the playback mechanism or recording & playback mechanism, adjust the head azimuth screw so that the forward and reverse output levels become maximum. After adjustment, lock the head azimuth at least by half a turn. 3. In either case, this adjustment should be performed in both the forward and reverse directions with the head azimuth screw.	Maximum output	Adjust the head azimuth screw only when the head has been changed.
Confirmation of tape speed	Test tape : VT712 (3kHz) or TMT7036 (3kHz) Measurement output terminal : Headphone terminal	<Constant speed> Adjust VR37 so that the frequency counter reading becomes 3,010Hz ± 15Hz when playing back the test tape VT712 (3kHz) with the playback mechanism or playback and recording mechanism after ending forward winding of the tape.	Tape speed of decks : 3,010Hz ± 15Hz	VR37

4.2.5 Reference values for confirmation items

Items	Measurement conditions	Measurement method	Standard values	Adjusting positions
Wow & flutter		When the test tape VT712 (3kHz) has been played back with the playback mechanism or recording and playback mechanism at the beginning of forward winding the frequency counter reading of wow & flutter should be 0.25% or less (WRMS).	0.25% or less (WRMS)	Both the playback and recording & playback mechanism

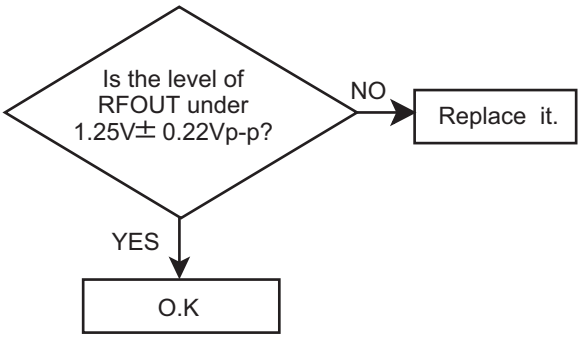
SECTION 5
TROUBLE SHOOTING

5.1 Maintenance of laser pickup (CD)

(1) Cleaning the pick up lens
Before you replace the pick up, please try to clean the lens with a alcohol soaked cotton swab.

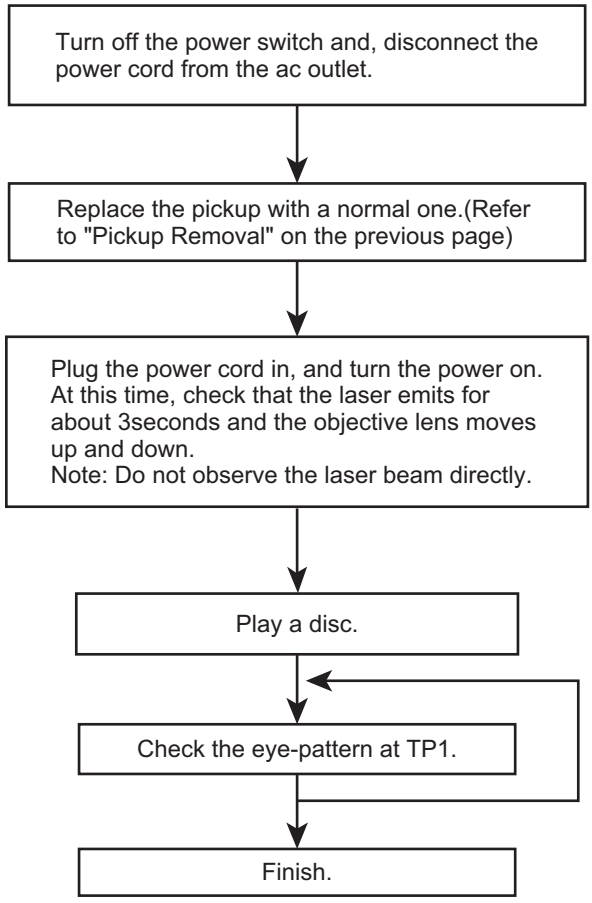
(2) Life of the laser diode
When the life of the laser diode has expired, the following symptoms will appear.

- The level of RF output (EFM output : ampli tude of eye pattern) will below.



(3) Semi-fixed resistor on the APC PC board
The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power. Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.
If the laser power is lower than the specified value, the laser diode is almost worn out, and the laser pickup should be replaced.
If the semi-fixed resistor is adjusted while the pickup is functioning normally, the laser pickup may be damaged due to excessive current.

5.2 Replacement of laser pickup (CD)


Turn off the power switch and, disconnect the power cord from the ac outlet.
Replace the pickup with a normal one.(Refer to "Pickup Removal" on the previous page)
Plug the power cord in, and turn the power on. At this time, check that the laser emits for about 3seconds and the objective lens moves up and down.
Note: Do not observe the laser beam directly.
Play a disc.
Check the eye-pattern at TP1.
Finish.

JVC
Victor Company of Japan, Limited
Audio/Video Systems Category 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB519)

Printed in Japan
VPT

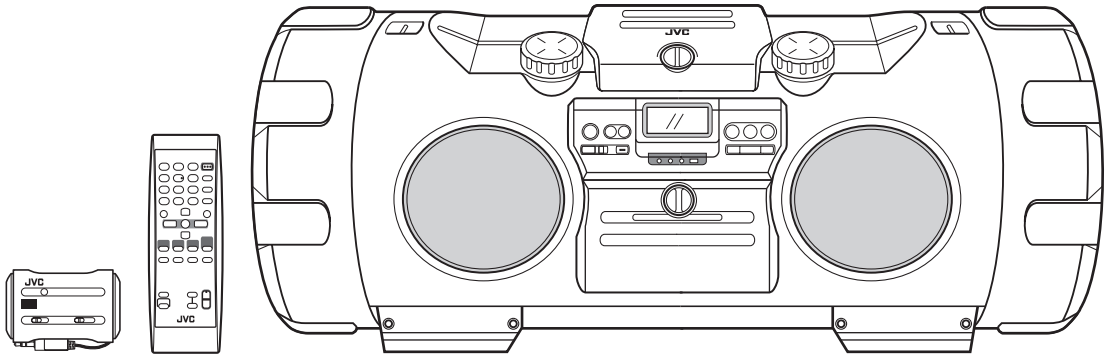
JVC

SCHEMATIC DIAGRAMS

POWERED WOOFER CD SYSTEM

RV-NB10BJ,RV-NB10BC,RV-NB10BB
RV-NB10BE,RV-NB10BEN,RV-NB10BEV
RV-NB10WJ,RV-NB10WC,RV-NB10WB
RV-NB10WE,RV-NB10WEN

CD-ROM No.SML200603



Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Contents

Block diagrams ---------- 2-1
Standard schematic diagrams ---------- 2-3
Printed circuit boards ---------- 2-29 to 38

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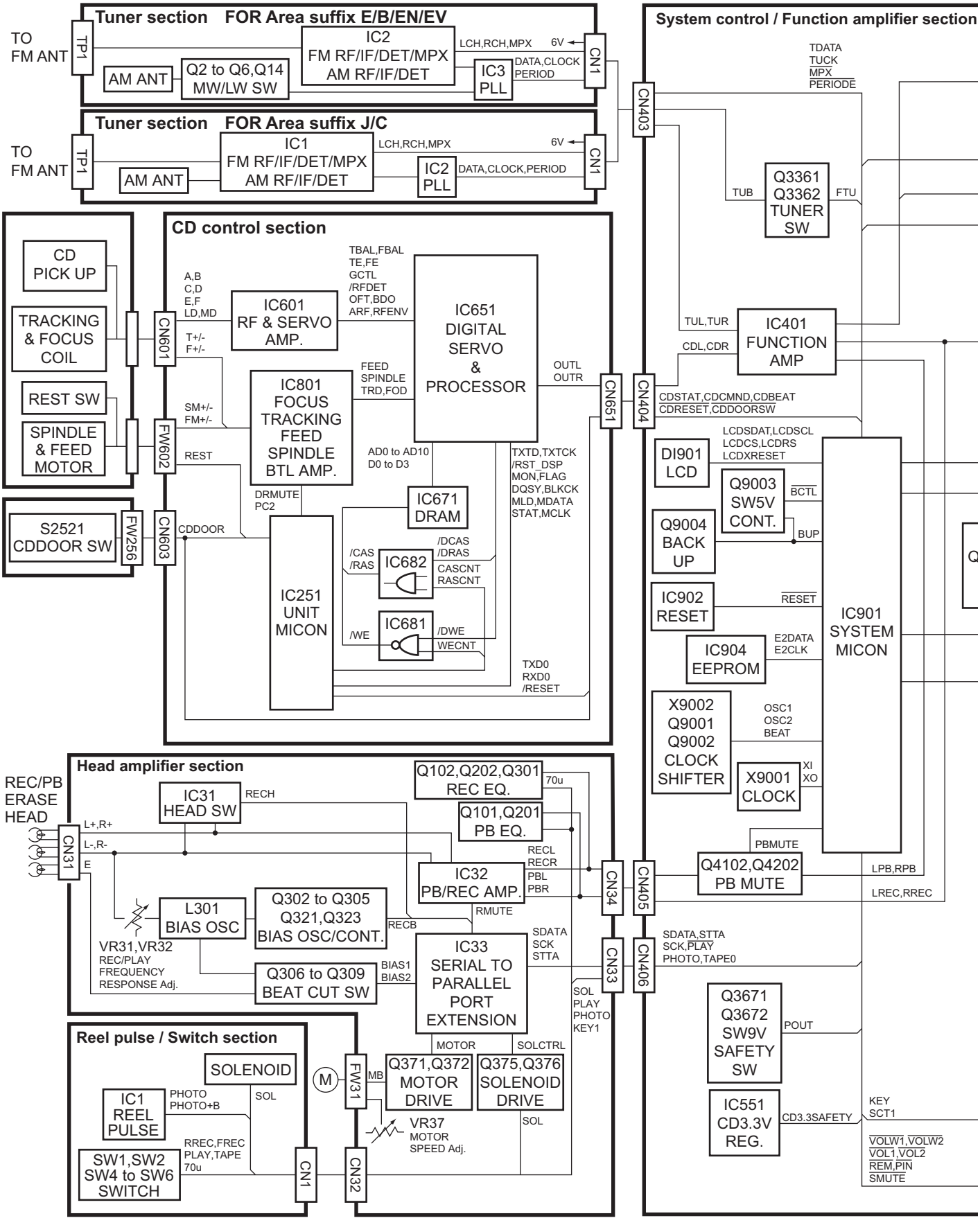
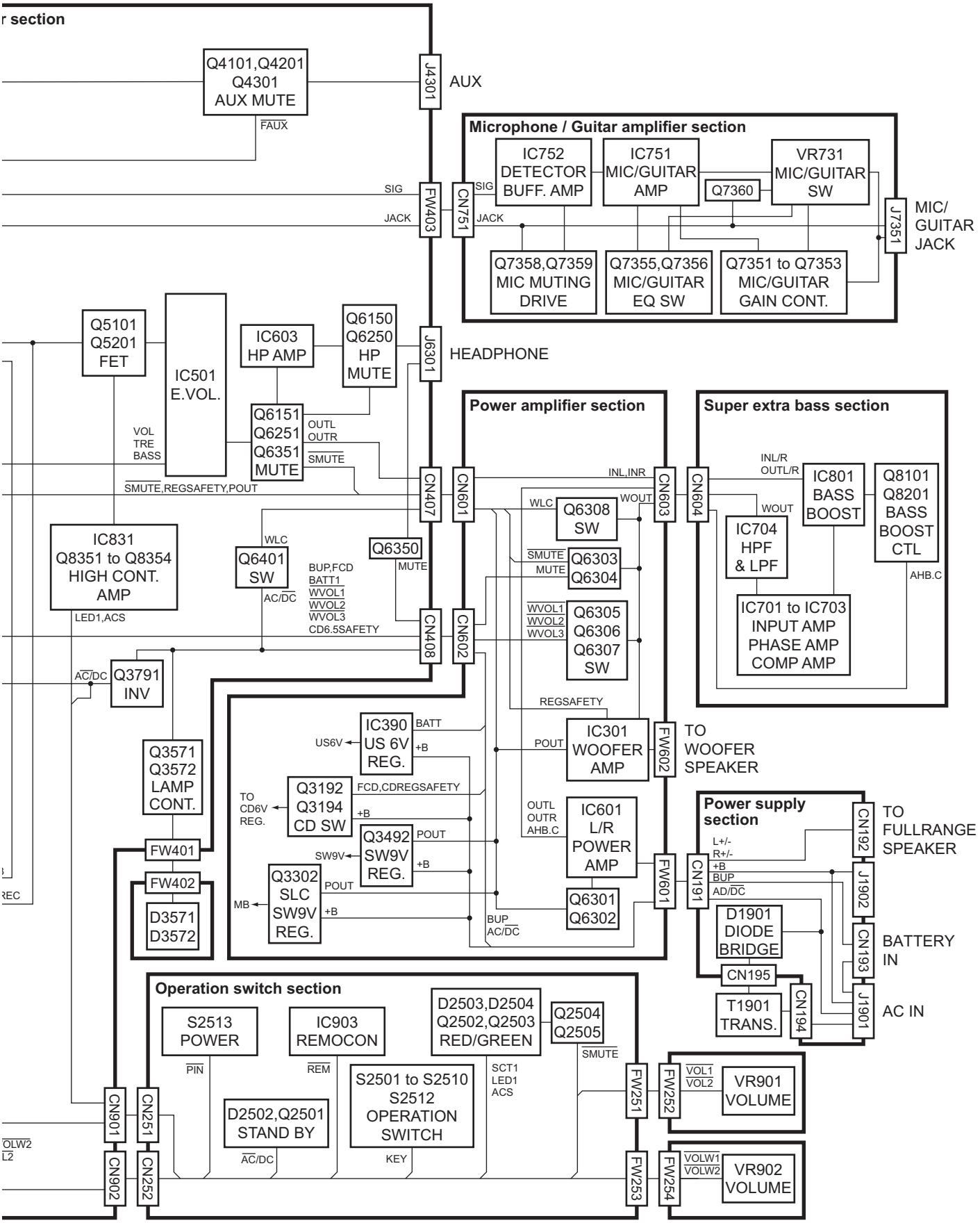
No.MB519SCH
2006/3

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (⬤) or identified by the "⚠" mark nearby are critical for safety.

< MEMO >

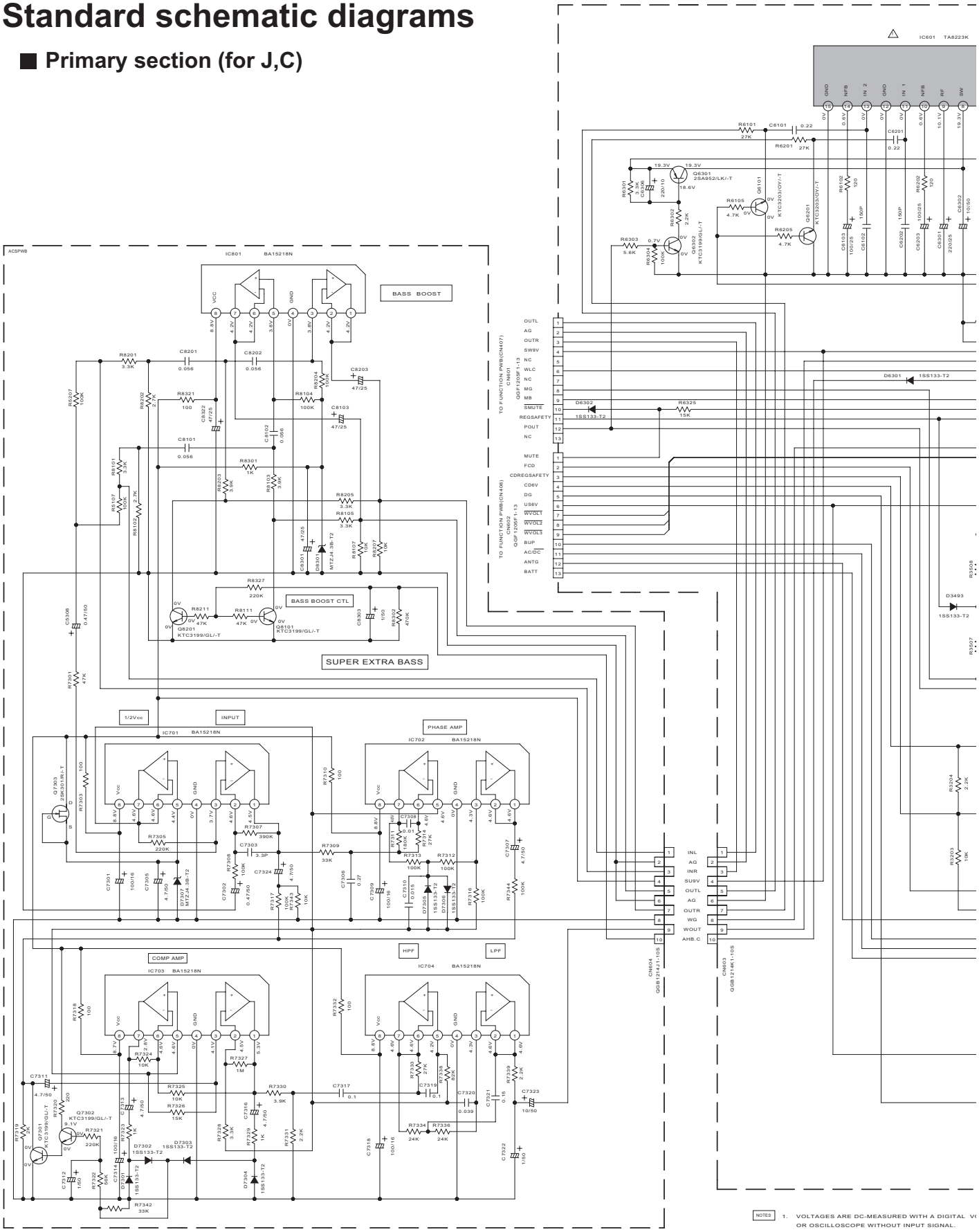
Block diagram




r section
Q4101,Q4201
Q4301
AUX MUTE
FAUX
J4301
AUX
Microphone / Guitar amplifier section
IC752
DETECTOR
BUFF. AMP
IC751
MIC/GUITAR
AMP
Q7360
VR731
MIC/GUITAR
SW
SIG
JACK
FW403
CN751
J7351
MIC/
GUITAR
JACK
Q7358,Q7359
MIC MUTING
DRIVE
Q7355,Q7356
MIC/GUITAR
EQ SW
Q7351 to Q7353
MIC/GUITAR
GAIN CONT.
Q5101
Q5201
FET
IC501
E.VOL.
IC603
HP AMP
Q6150
Q6250
HP
MUTE
J6301
HEADPHONE
VOL
TRE
BASS
Q6151
Q6251
Q6351
MUTE
OUTL
OUTR
SMUTE
SMUTE,REGSAFETY,POUT
Power amplifier section
Super extra bass section
CN407
CN601
CN603
CN604
INL,INR
INL/R
OUTL/R
IC801
BASS
BOOST
Q8101
Q8201
BASS
BOOST
CTL
AHB.C
WOUT
WLC
Q6308
SW
IC704
HPF
& LPF
IC831
Q8351 to Q8354
HIGH CONT.
AMP
LED1,ACS
WLC
Q6401
SW
AC/DC
Q6350
MUTE
BUP,FCD
BATT1
WVOL1
WVOL2
WVOL3
CD6.5SAFETY
SMUTE
MUTE
Q6303
Q6304
IC701 to IC703
INPUT AMP
PHASE AMP
COMP AMP
CN408
CN602
WVOL1
WVOL2
WVOL3
Q6305
Q6306
Q6307
SW
AC/DC
Q3791
INV
REGSAFETY
IC390
US 6V
REG.
BATT
US6V
+B
IC301
WOOFER
AMP
POUT
FW602
TO
WOOFER
SPEAKER
Q3571
Q3572
LAMP
CONT.
Q3192
Q3194
CD SW
FCD,CDREGSAFETY
TO
CD6V
REG.
+B
OUTL
OUTR
AHB.C
IC601
L/R
POWER
AMP
Power supply
section
CN192
TO
FULLRANGE
SPEAKER
FW401
Q3492
SW9V
REG.
POUT
SW9V
+B
L+/-
R+/-
+B
BUP
AD/DC
CN191
FW601
J1902
FW402
Q3302
SLC
SW9V
REG.
POUT
MB
+B
D3571
D3572
Q6301
Q6302
BUP
AC/DC
D1901
DIODE
BRIDGE
CN193
BATTERY
IN
CN195
T1901
TRANS.
CN194
J1901
AC IN
Operation switch section
S2513
POWER
PIN
IC903
REMOCON
REM
D2503,D2504
Q2502,Q2503
RED/GREEN
Q2504
Q2505
SMUTE
SCT1
LED1
ACS
S2501 to S2510
S2512
OPERATION
SWITCH
KEY
D2502,Q2501
STAND BY
AC/DC
CN901
CN251
CN902
CN252
FW251
FW252
VOL1
VOL2
VR901
VOLUME
FW253
FW254
VOLW1
VOLW2
VR902
VOLUME

Standard schematic diagrams

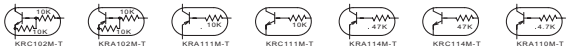
■ Primary section (for J,C)

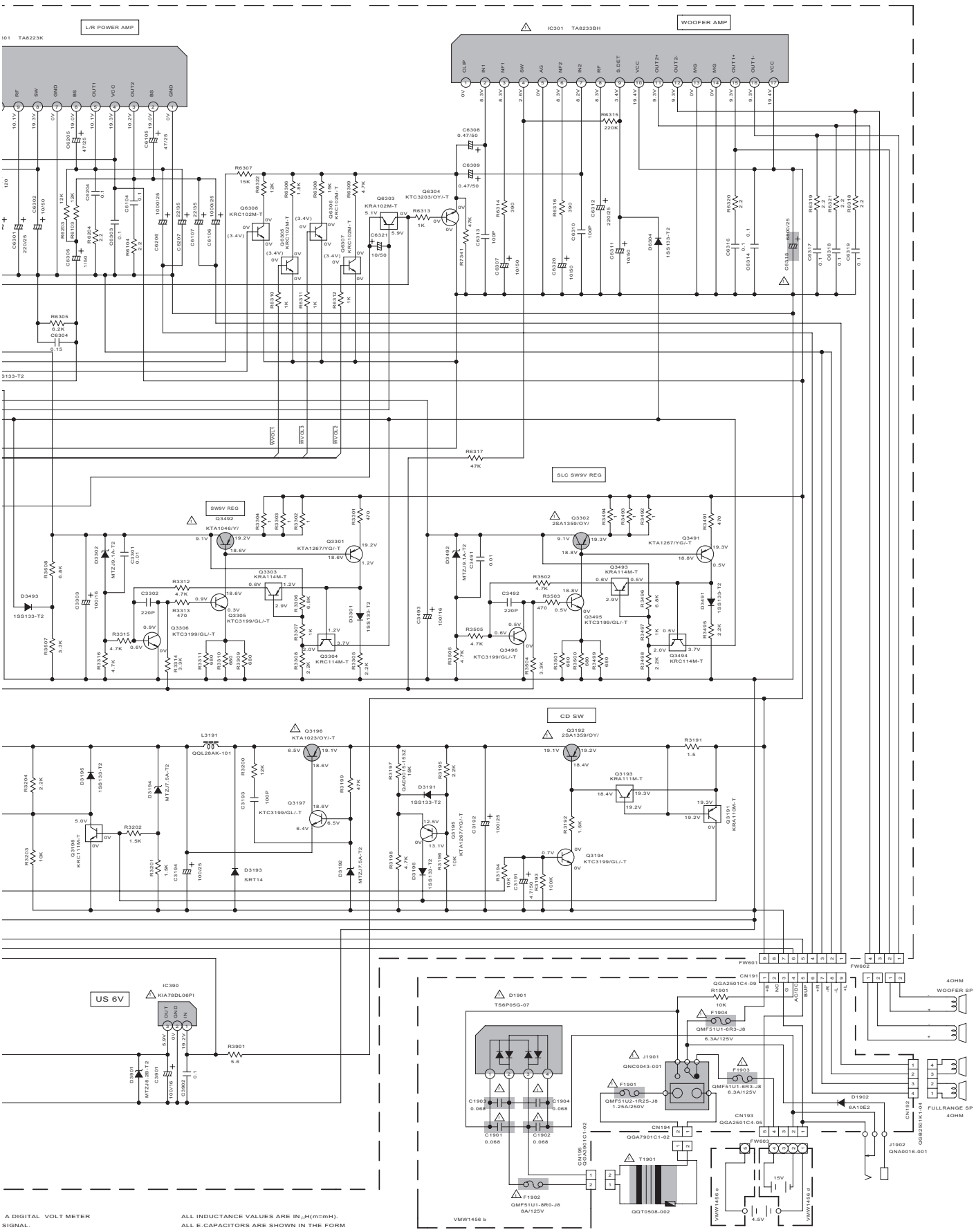


NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL V
   OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION --- CD STOP MODE
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR
   ALL CAPACITANCE VALUES ARE IN „F(P=pF).

TABLE1 DIGITAL TRANSISTOR





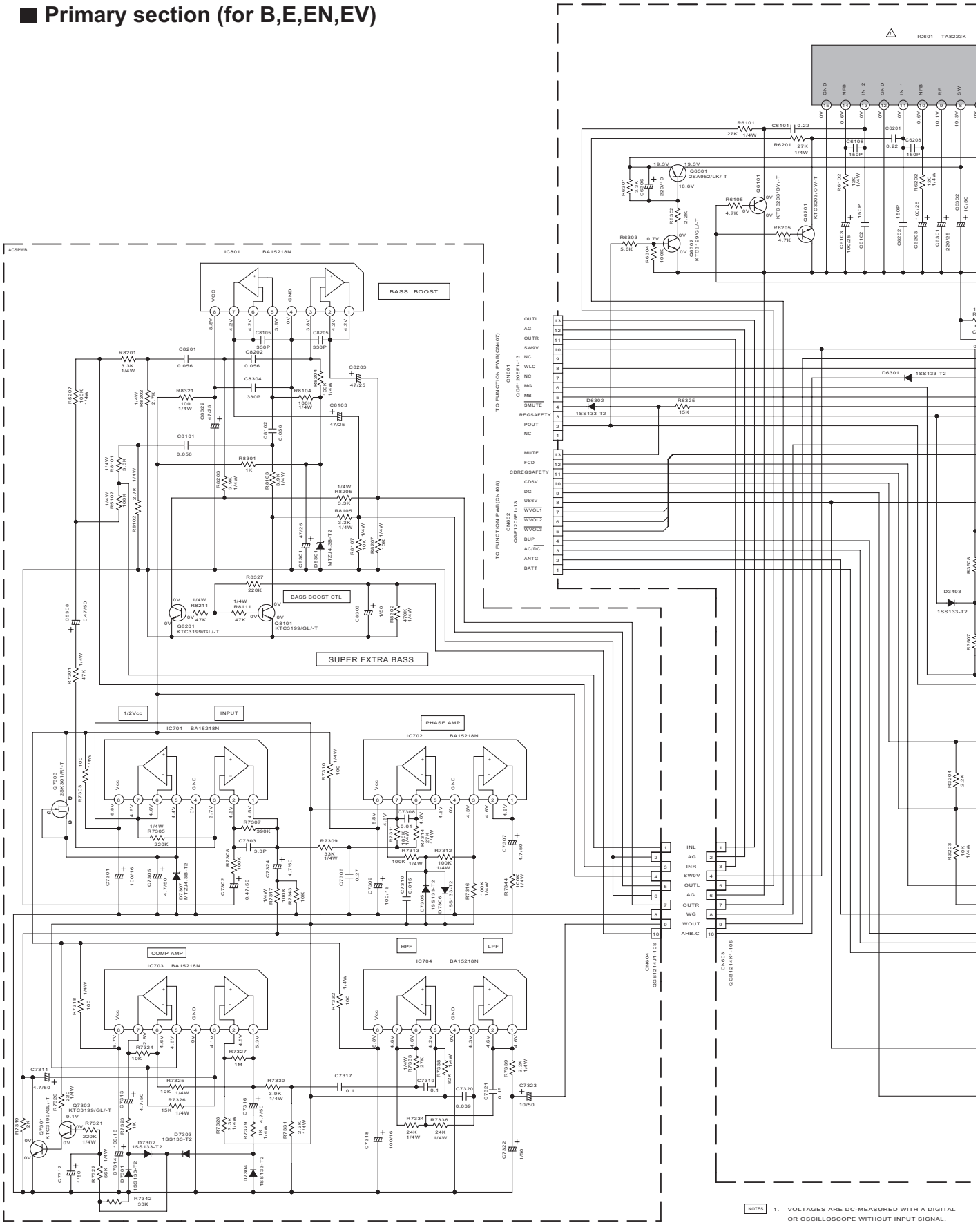
A DIGITAL VOLT METER SIGNAL.

ALL INDUCTANCE VALUES ARE IN μH(m=mH).
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).

ISTORS ARE 1/4W ±5% CARBON RESISTOR.
M(Ω).
ACITOR OR MYLAR CAPACITOR.
(P=pF).

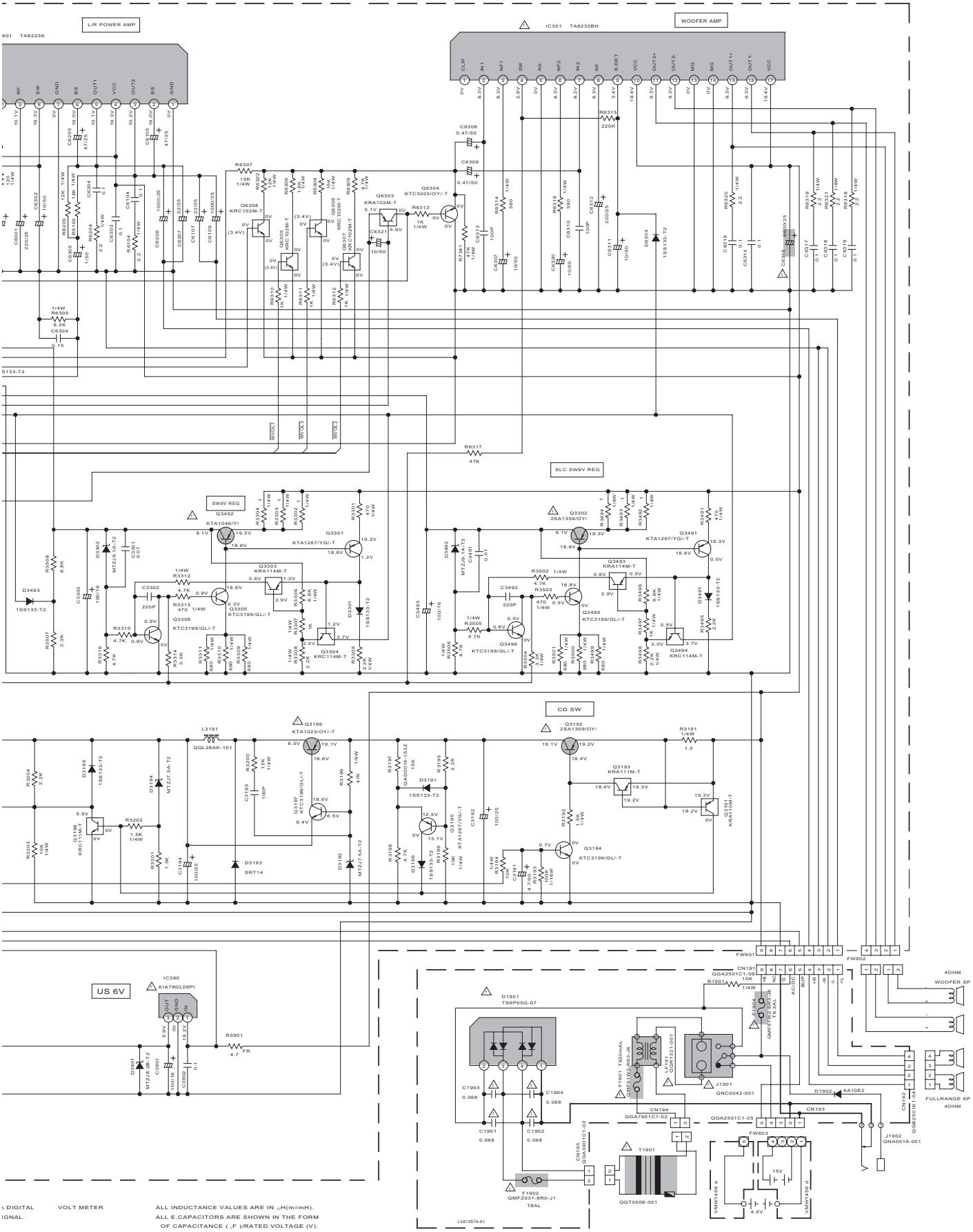
⚠ Parts are safety assurance parts.
When replacing those parts make sure to use the specified one.

■ Primary section (for B,E,EN,EV)



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION --- CD STOP MODE
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/1
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR M
   ALL CAPACITANCE VALUES ARE IN „F(P=pF).



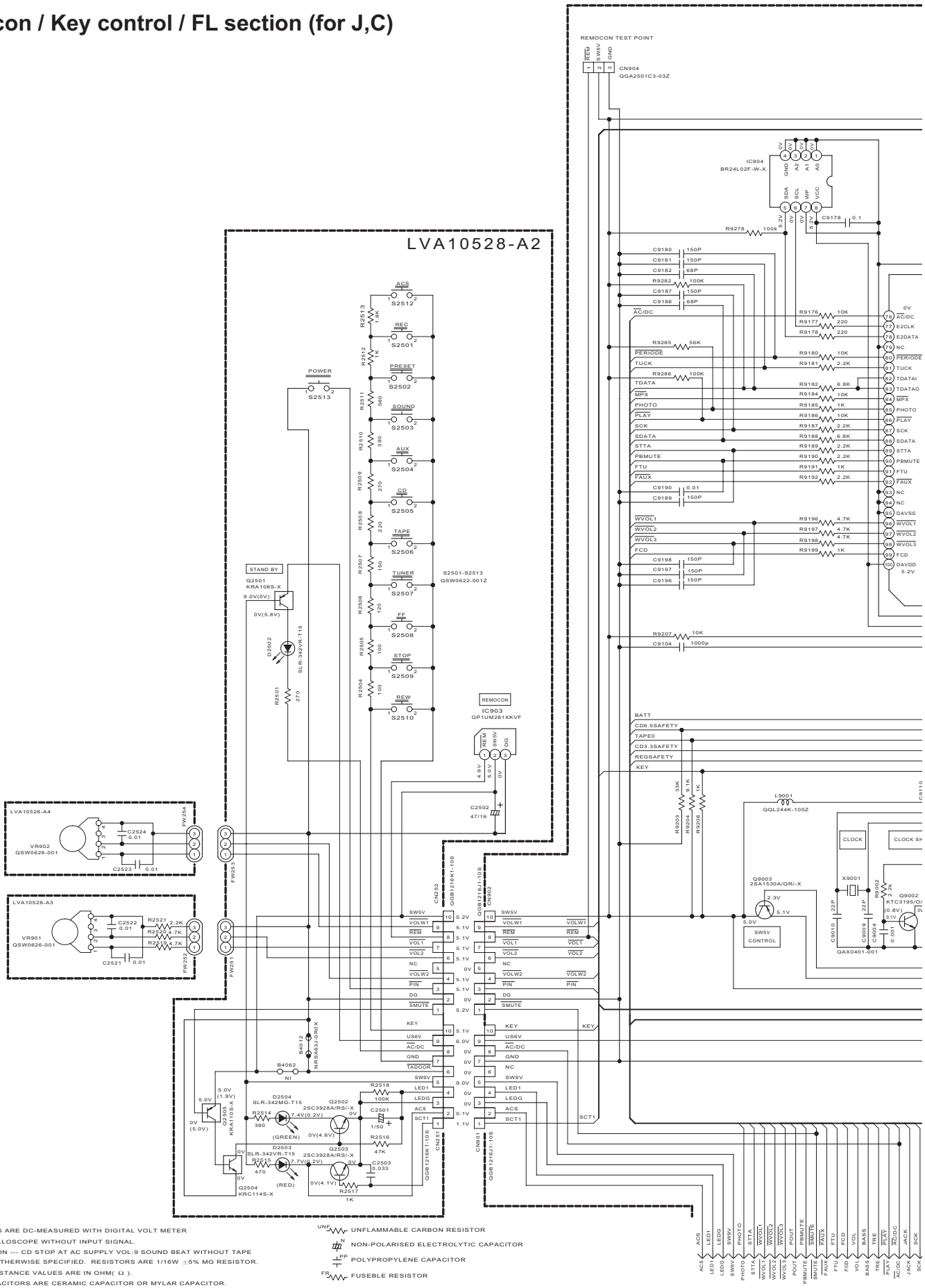
DIGITAL VOLT METER
IGNAL.

ALL INDUCTANCE VALUES ARE IN μH(m=mH).
ALL E.CAPACITORS ARE SHOWN IN THE FORM
OF CAPACITANCE (μF)/RATED VOLTAGE (V).

STORS ARE 1/16W ±5% MG RESISTOR.
(Ω).
CITOR OR MYLAR CAPACITOR.
=pF).

⚠ Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

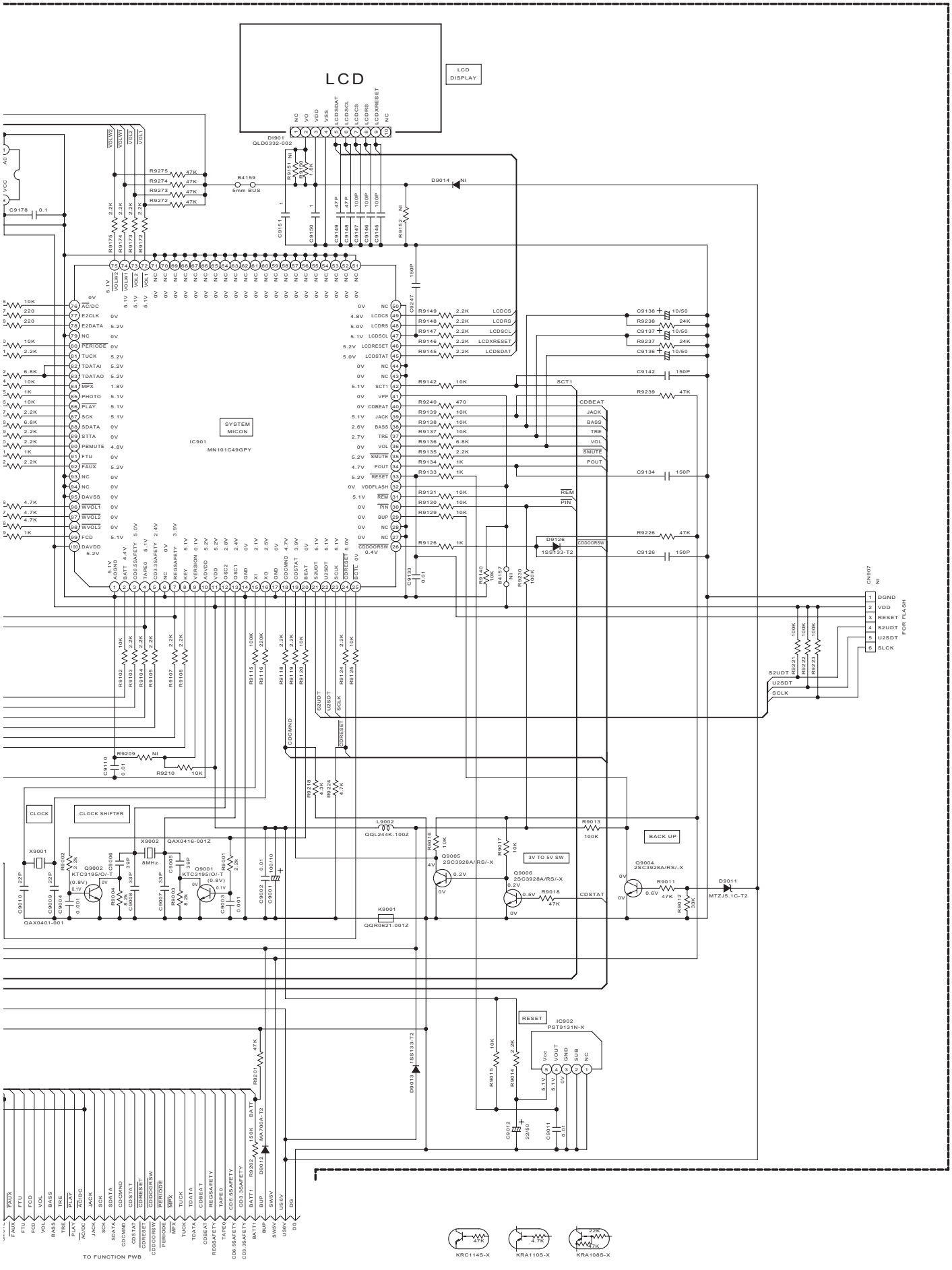
■ Micon / Key control / FL section (for J,C)



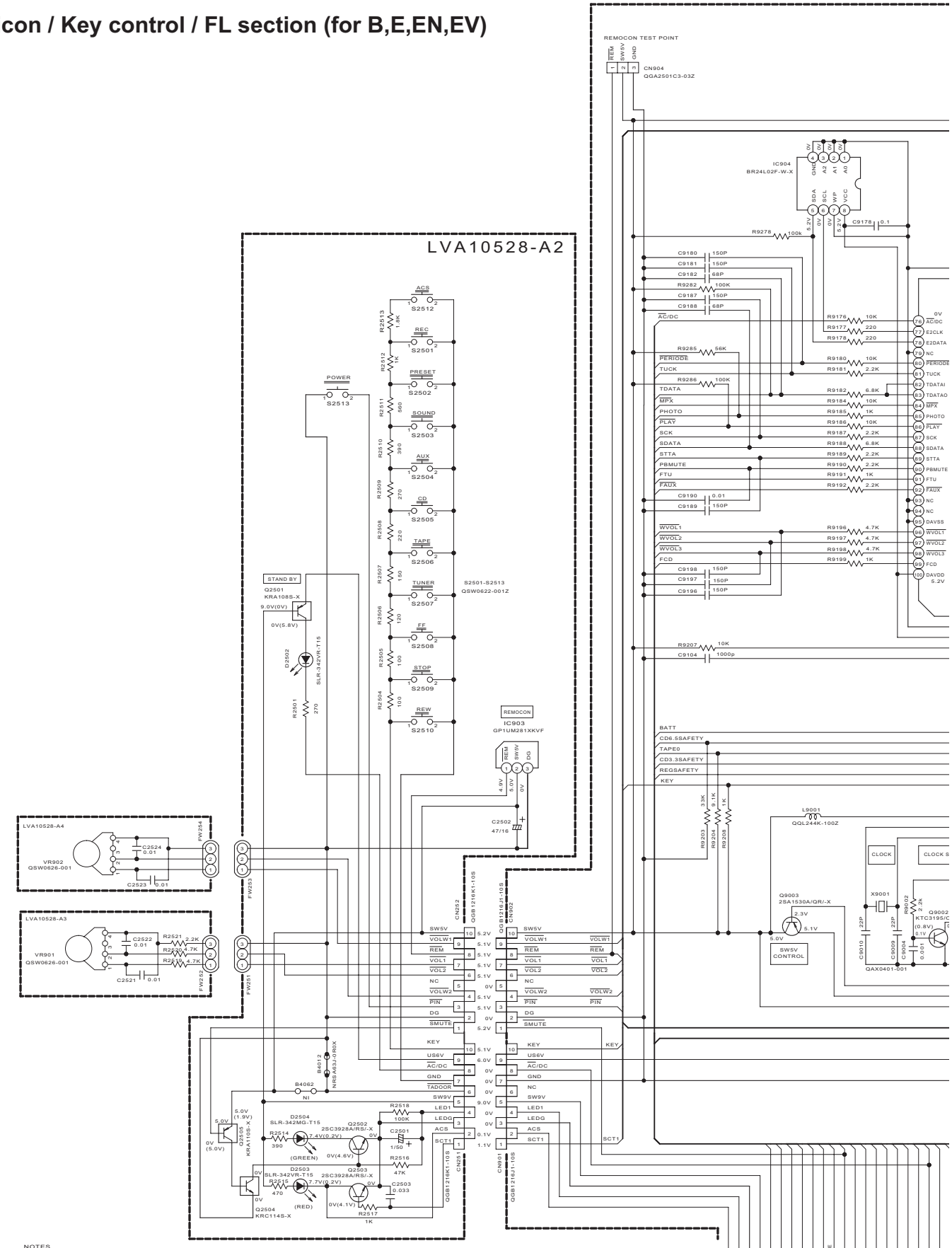
NOTES

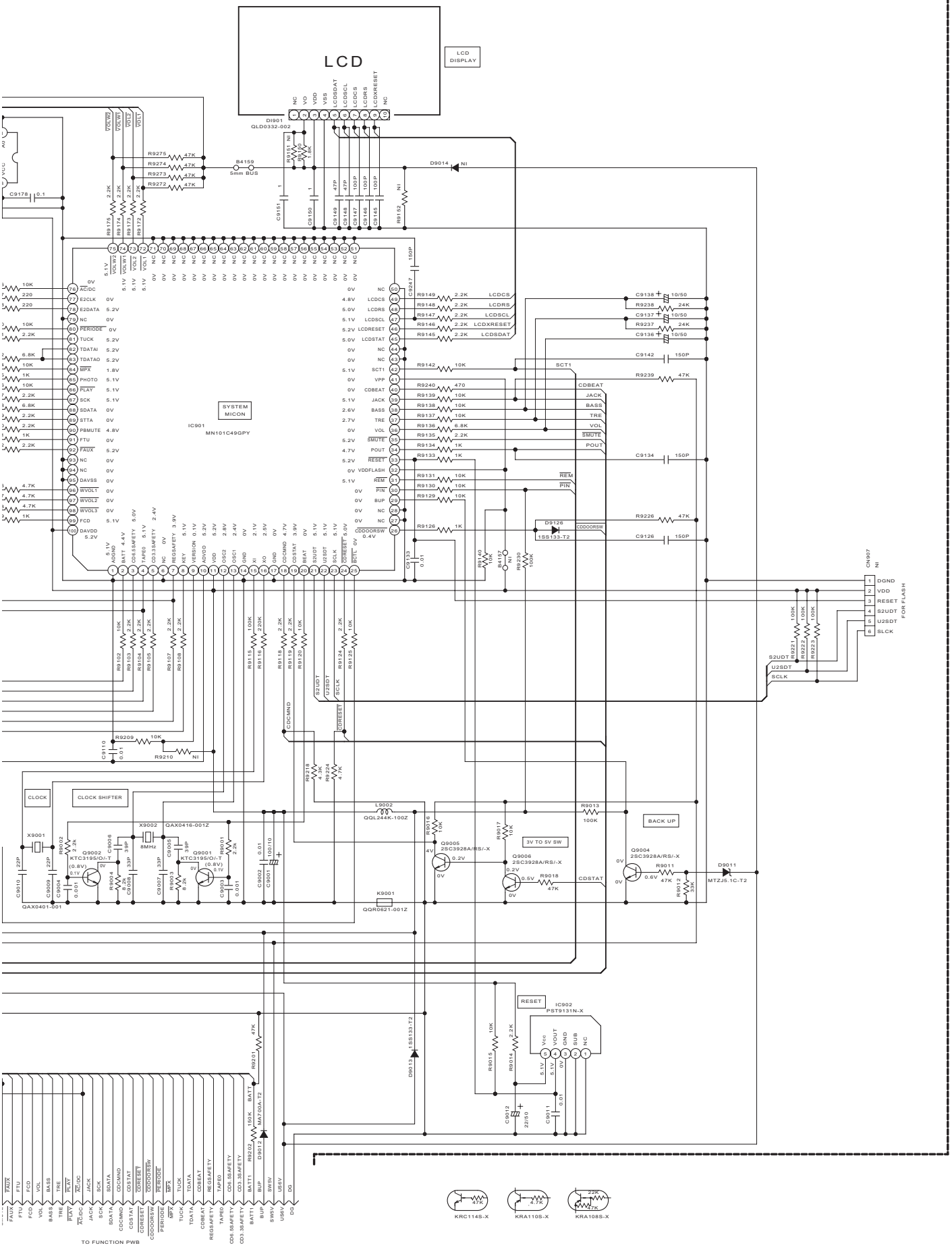
1. VOLTAGES ARE DC-MEASURED WITH DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION --- CD STOP AT AC SUPPLY VOL:9 SOUND BEAT WITHOUT TAPE
2. UNLESS OTHERWISE SPECIFIED. RESISTORS ARE 1/16W ±5% MG RESISTOR. ALL RESISTANCE VALUES ARE IN OHM(Ω). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN μF(P=pF). ALL INDUCTANCE VALUES ARE IN μH(m=mH). ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).

UNF UNFLAMMABLE CARBON RESISTOR
N NON-POLARISED ELECTROLYTIC CAPACITOR
PP POLYPROPYLENE CAPACITOR
FR FUSEBLE RESISTOR

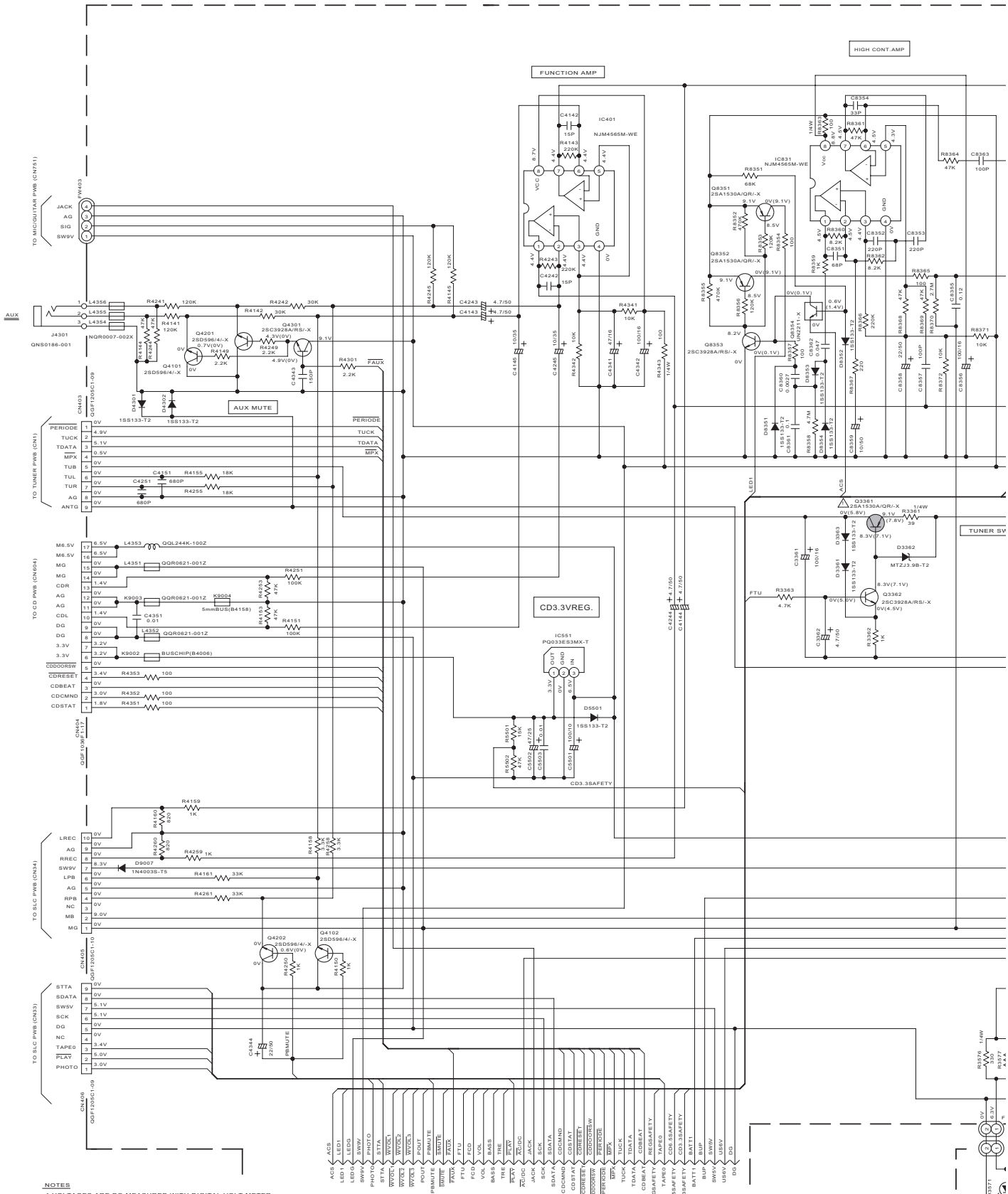

LCD
LCD DISPLAY
DI901
QLD0332-002
SYSTEM MICON
IC901
MN101C49GPY
CLOCK
CLOCK SHIFTER
X9001
X9002
QAX0416-001Z
QAX0401-001
8MHz
L9002
QQL244K-100Z
K9001
QQR0621-001Z
3V TO 5V SW
BACK UP
RESET
IC902
PST9131N-X
D9126
1SS133-T2
D9011
MTZJS.1C-T2
D9013
1SS133-T2
CN907
FOR FLASH
TO FUNCTION PWB
KRC114S-X
KRA110S-X
KRA108S-X

■ Micon / Key control / FL section (for B,E,EN,EV)




LCD
LCD DISPLAY
DI901
QLD0332-002
SYSTEM MICON
IC901
MN101C49GPY
CLOCK
CLOCK SHIFTER
X9001
QAX0401-001
X9002
QAX0416-001Z
8MHz
Q9002
KTC3195/O/-T
Q9001
KTC3195/O/-T
L9002
QQL244K-100Z
K9001
QQR0621-001Z
Q9005
2SC3928A/RS/-X
Q9006
2SC3928A/RS/-X
3V TO 5V SW
BACK UP
Q9004
2SC3928A/RS/-X
D9011
MTZJ5.1C-T2
D9126
1SS133-T2
D9013
1SS133-T2
D9012
MA700A-T2
RESET
IC902
PST9131N-X
CN907
FOR FLASH
TO FUNCTION PWB
KRC114S-X
KRA110S-X
KRA108S-X

■ Function control section (for J,C)

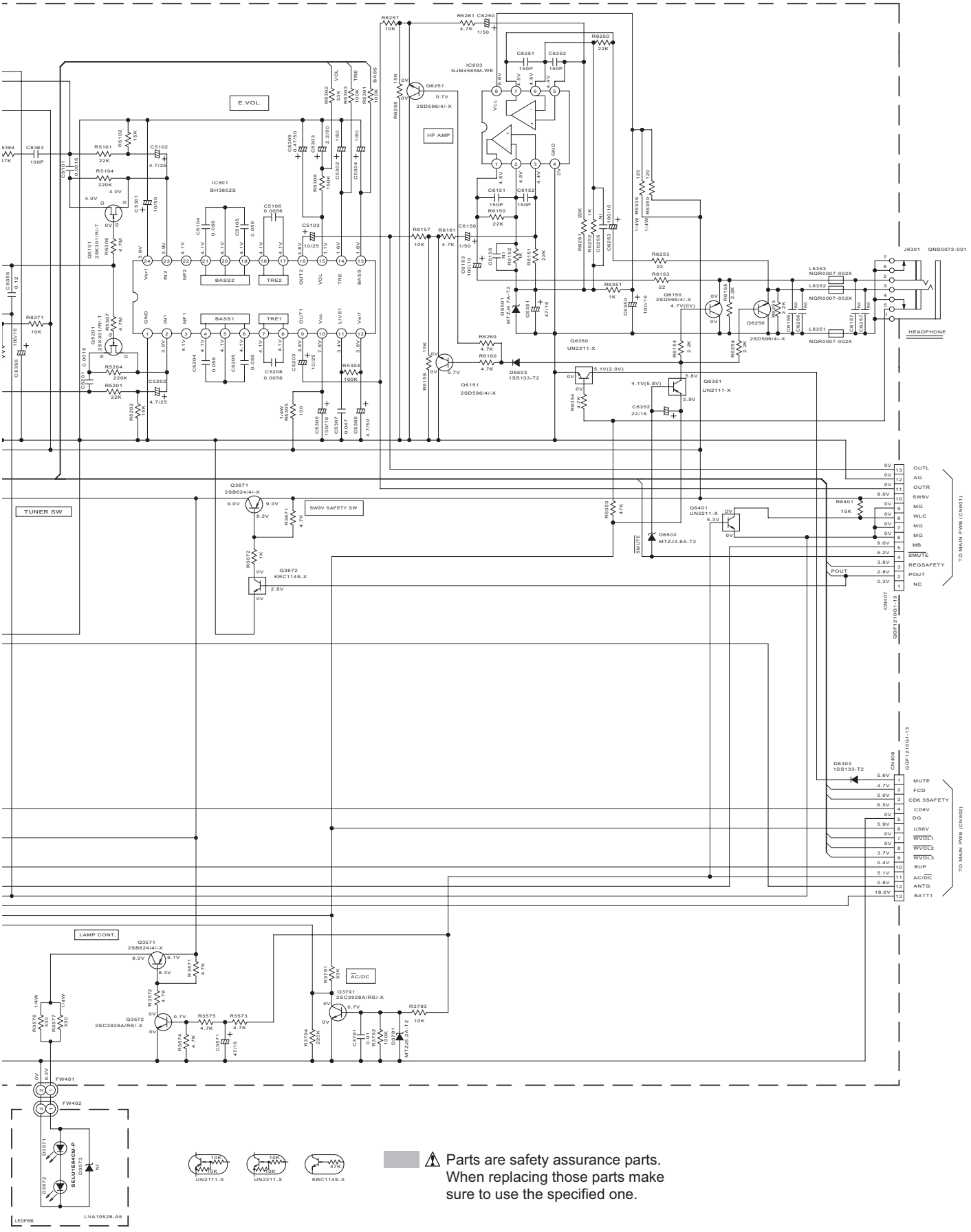


NOTES

1.VOLTAGES ARE DC-MEASURED WITH DIGITAL VOLT METER
OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION --- CD STOP AT AC SUPPLY VOL:9 SOUND BEAT WITHOUT TAPE

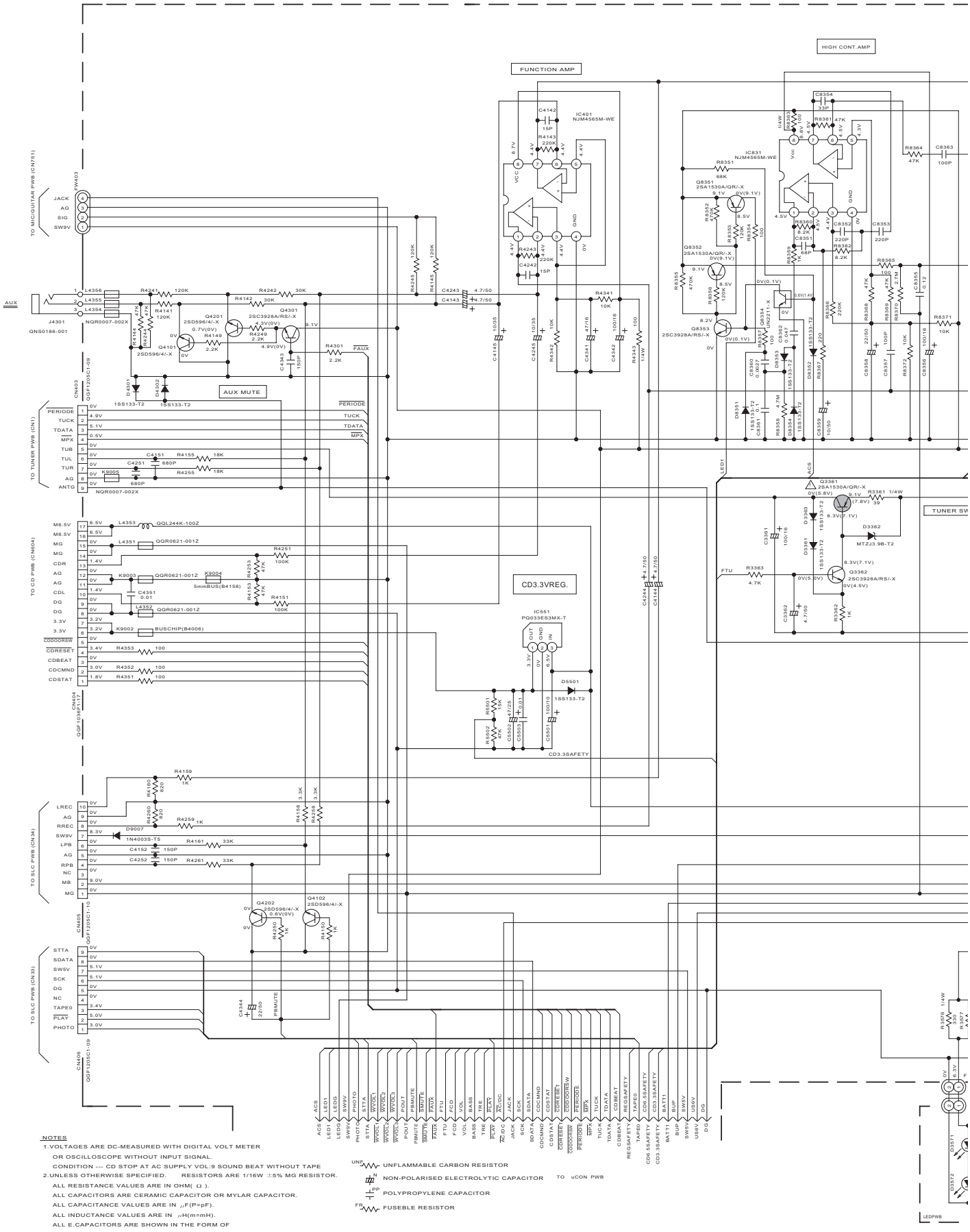
2.UNLESS OTHERWISE SPECIFIED. RESISTORS ARE 1/16W ±5% MG RESISTOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN μF(P=pF).
ALL INDUCTANCE VALUES ARE IN μH(m=mH).
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF
CAPACITANCE (μF)/RATED VOLTAGE (V).

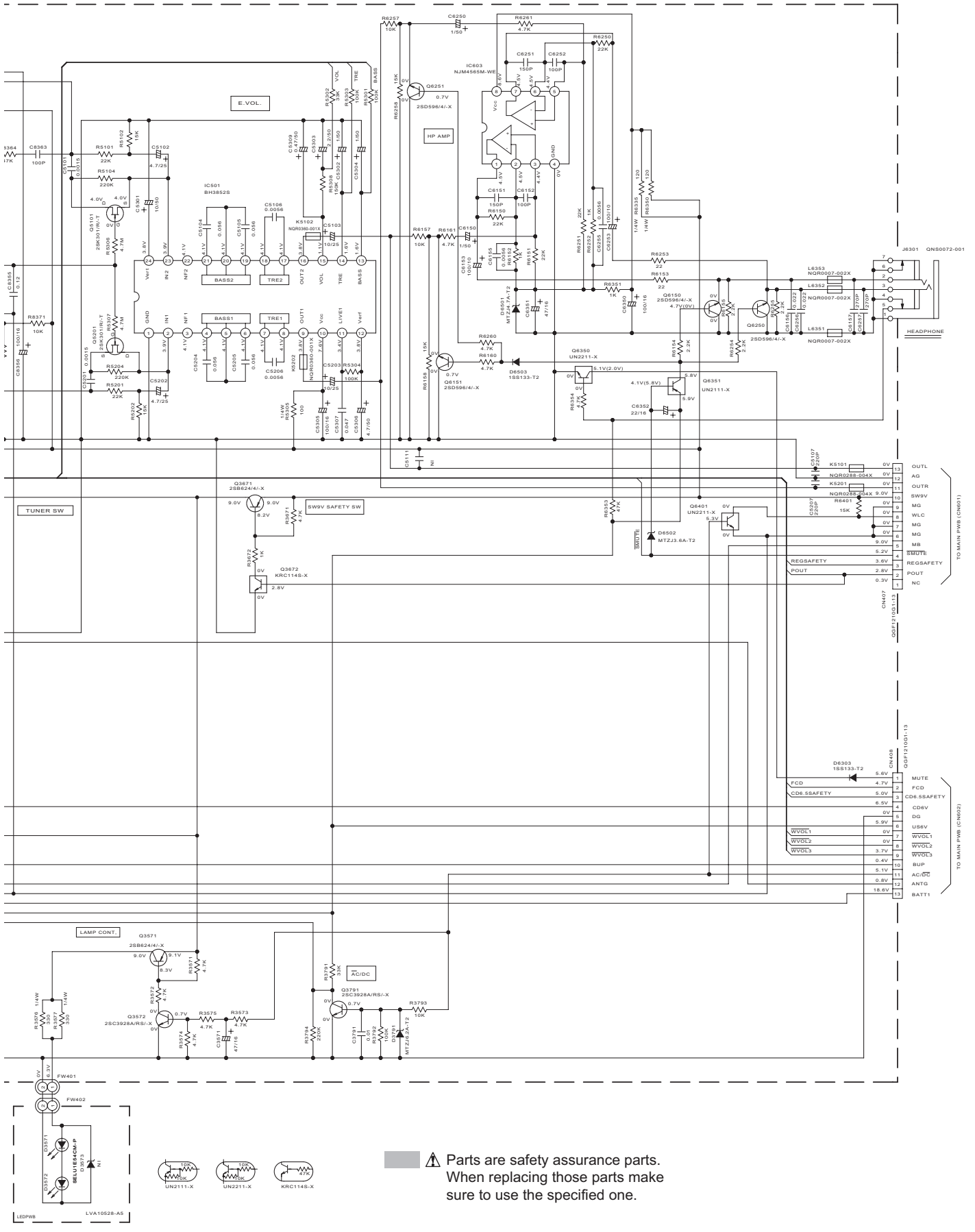
UNF UNFLAMMABLE CARBON RESISTOR
NP NON-POLARISED ELECTROLYTIC CAPACITOR
PP POLYPROPYLENE CAPACITOR
FR FUSEBLE RESISTOR



⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

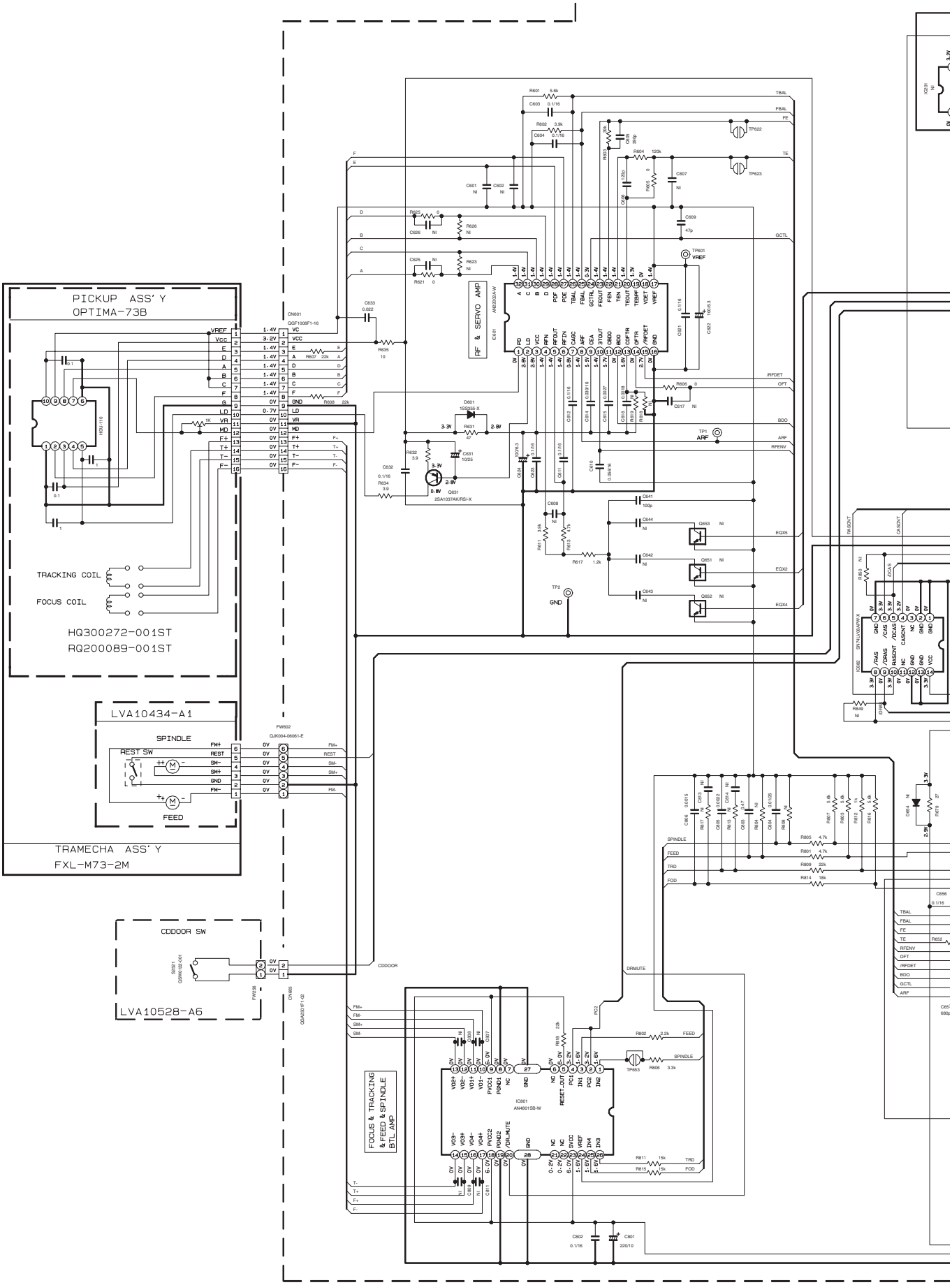
■ Function control section (for B,E,EN,EV)

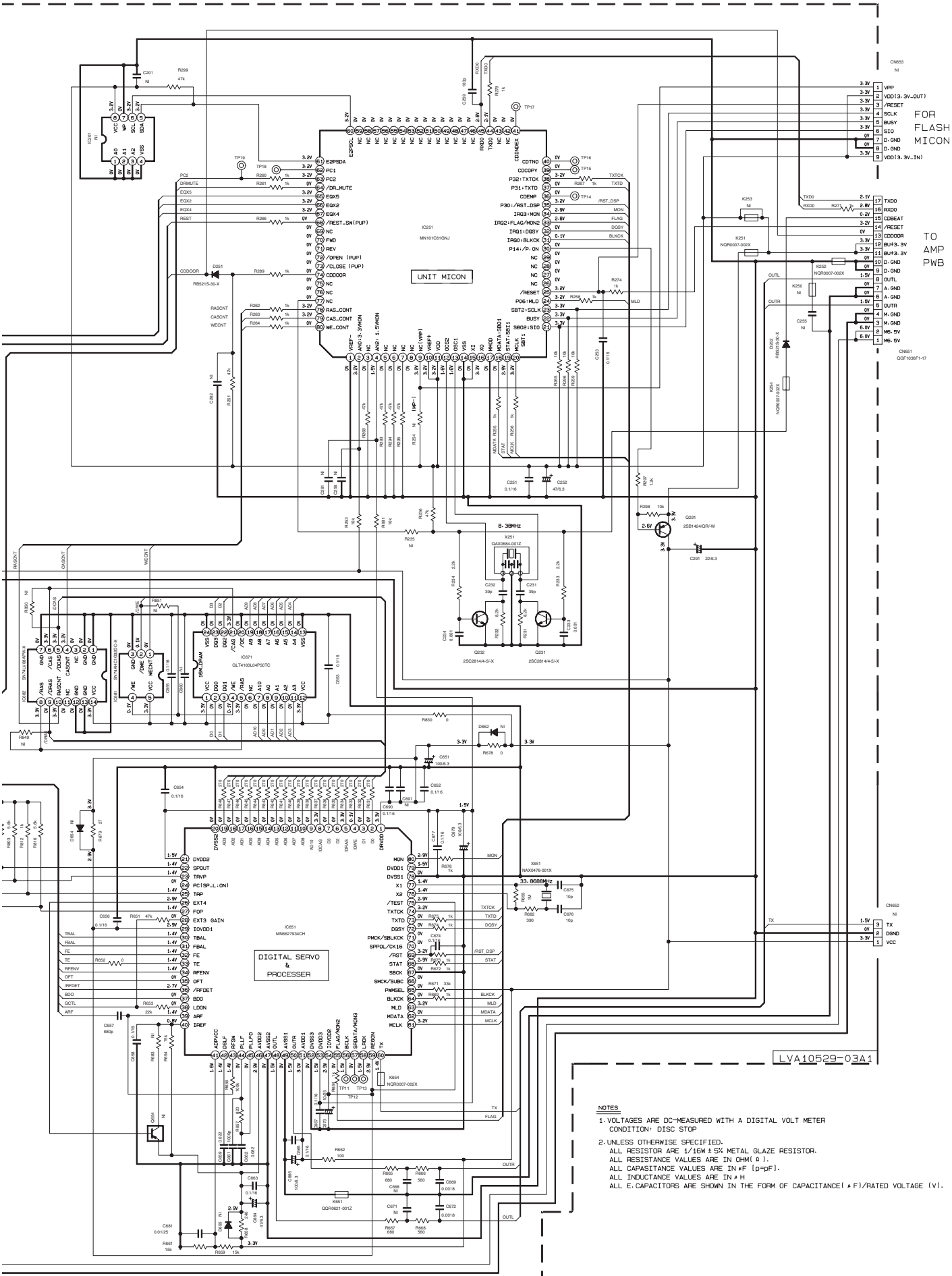




⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

■ CD servo control section (for J,C)

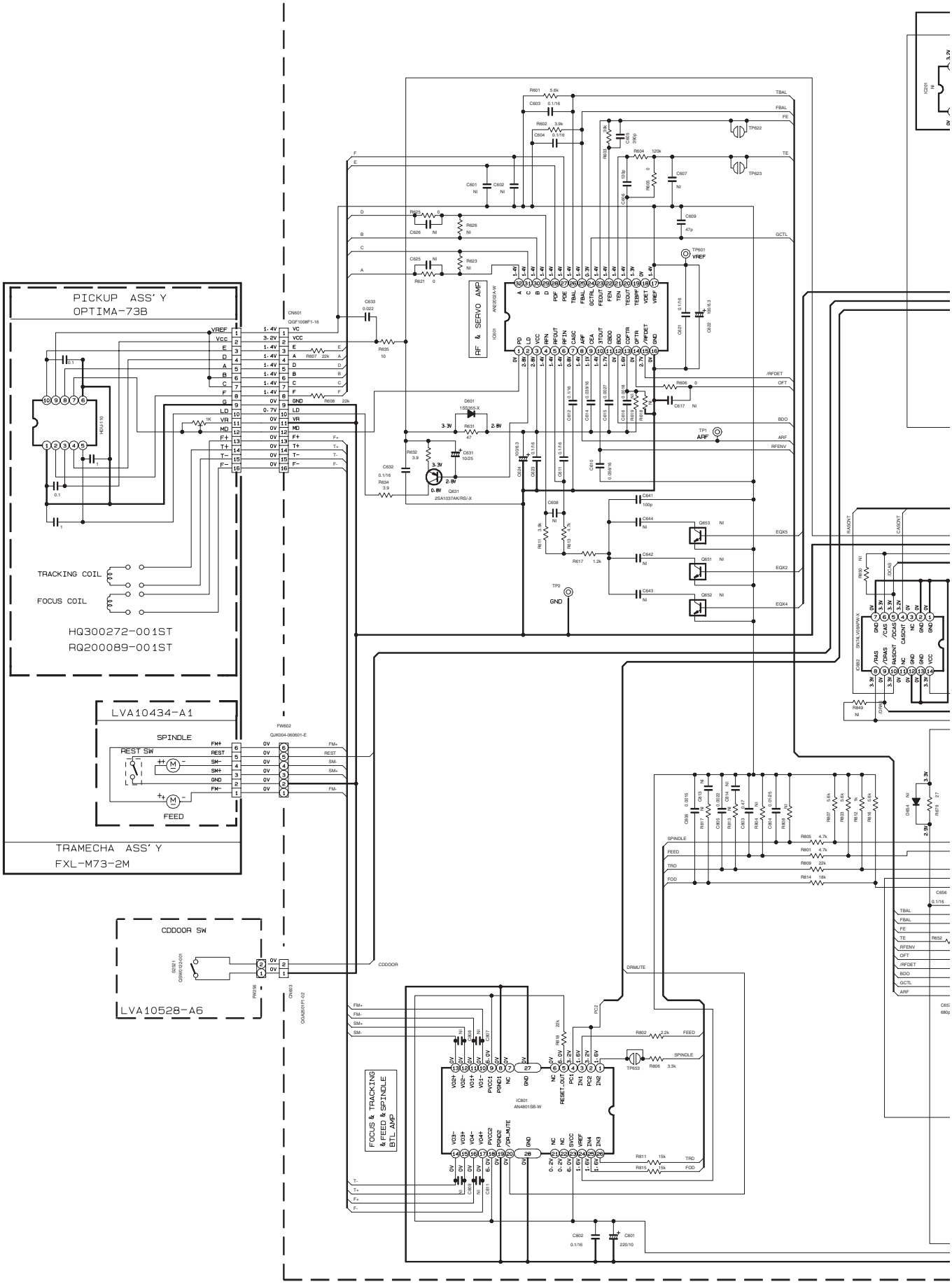


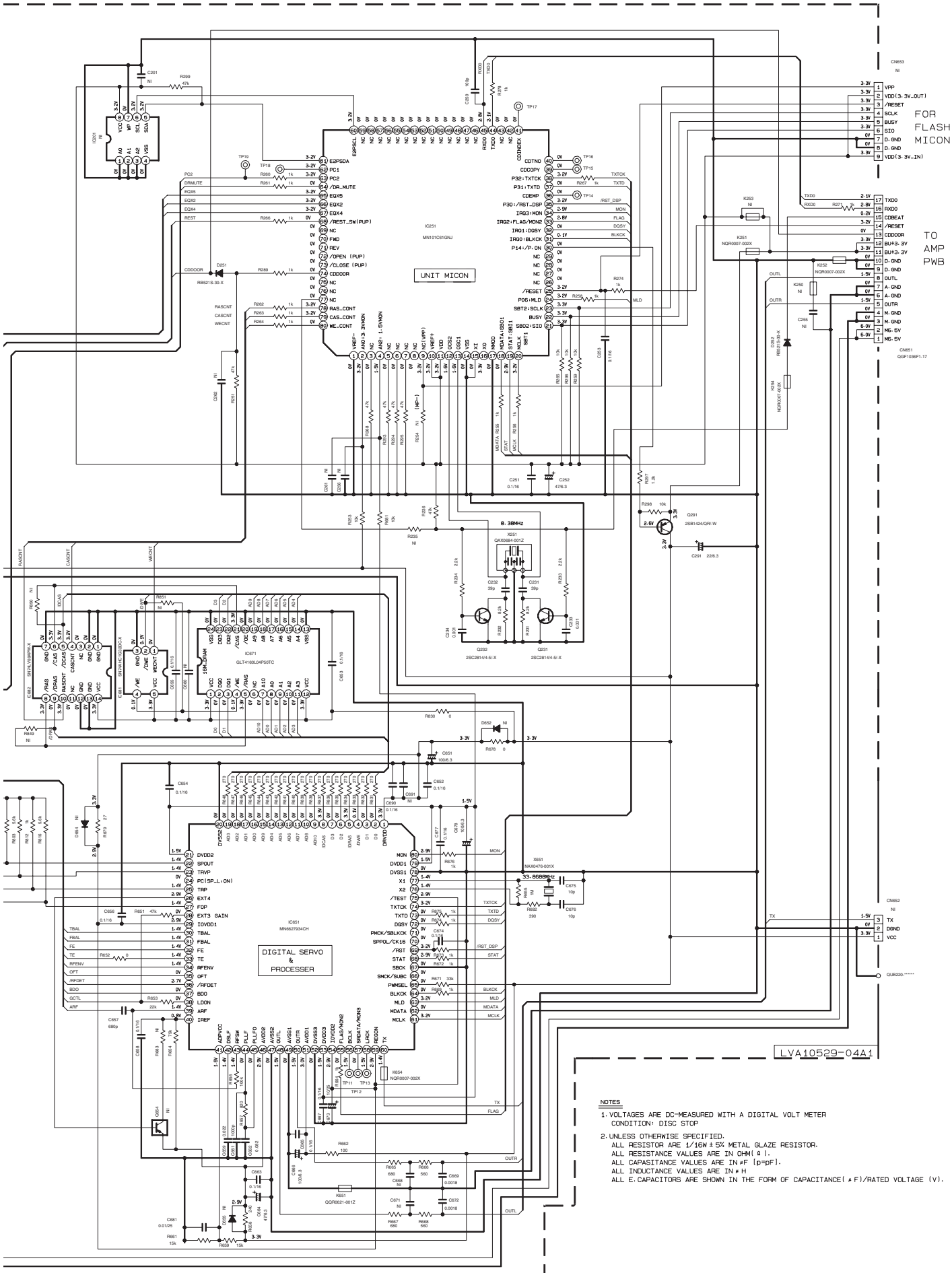


NOTES

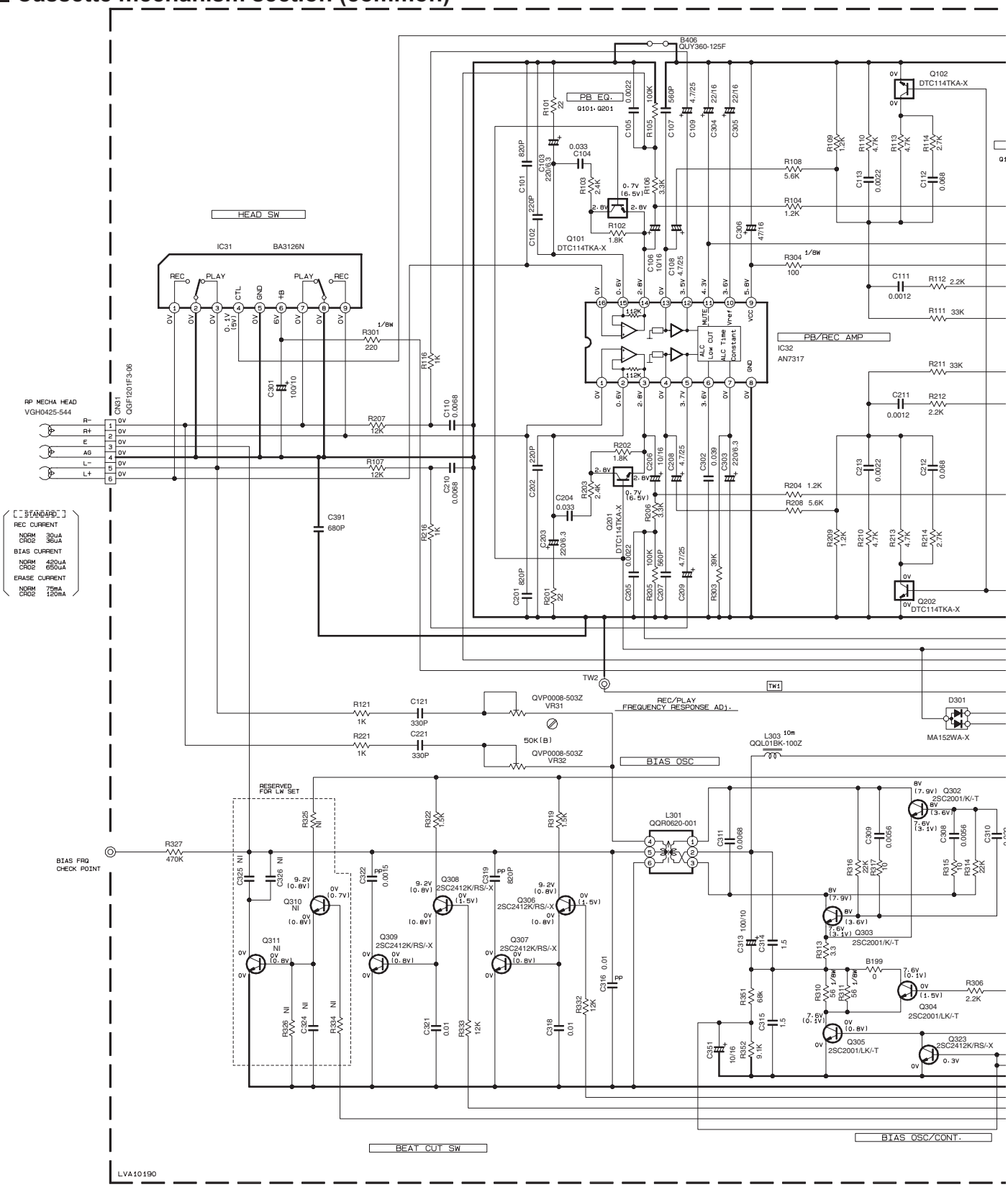
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
   CONDITION: DISC STOP
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTOR ARE 1/16W ± 5% METAL GLAZE RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPASITANCE VALUES ARE IN μF (p=pF).
   ALL INDUCTANCE VALUES ARE IN μH
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE (V).

■ CD servo control section (for B,E,EN,EV)




UNIT MICON
DIGITAL SERVO & PROCESSER
IC251
MN101C61GNJ
IC651
MN6627934CH
IC671
GLT4160L04P50TC
X251
CAX0884-001Z
X651
NAX0476-001X
33.8688MHz
8.38MHz
K651
QQR0621-001Z
K654
NQR0007-002X
K251
NQR0007-002X
K252
NQR0007-002X
K253
NI
K254
NQR0007-002X
D251
RBS21S-30-X
D252
RBS21S-30-X
D652
NI
Q231
2SC2814/4-5/-X
Q232
2SC2814/4-5/-X
Q291
2SB1424/QR/-W
CN653
NI
CN652
NI
CN651
QGF1036F1-17
TO AMP PWB
FOR FLASH MICON
LVA10529-04A1
QUB200-******
TP11
TP12
TP13
TP14
TP15
TP16
TP17
TP18
TP19
NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER CONDITION: DISC STOP
2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTOR ARE 1/16W ± 5% METAL GLAZE RESISTOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPASITANCE VALUES ARE IN ≠F [p=pF].
ALL INDUCTANCE VALUES ARE IN ≠H
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(≠F)/RATED VOLTAGE (V).

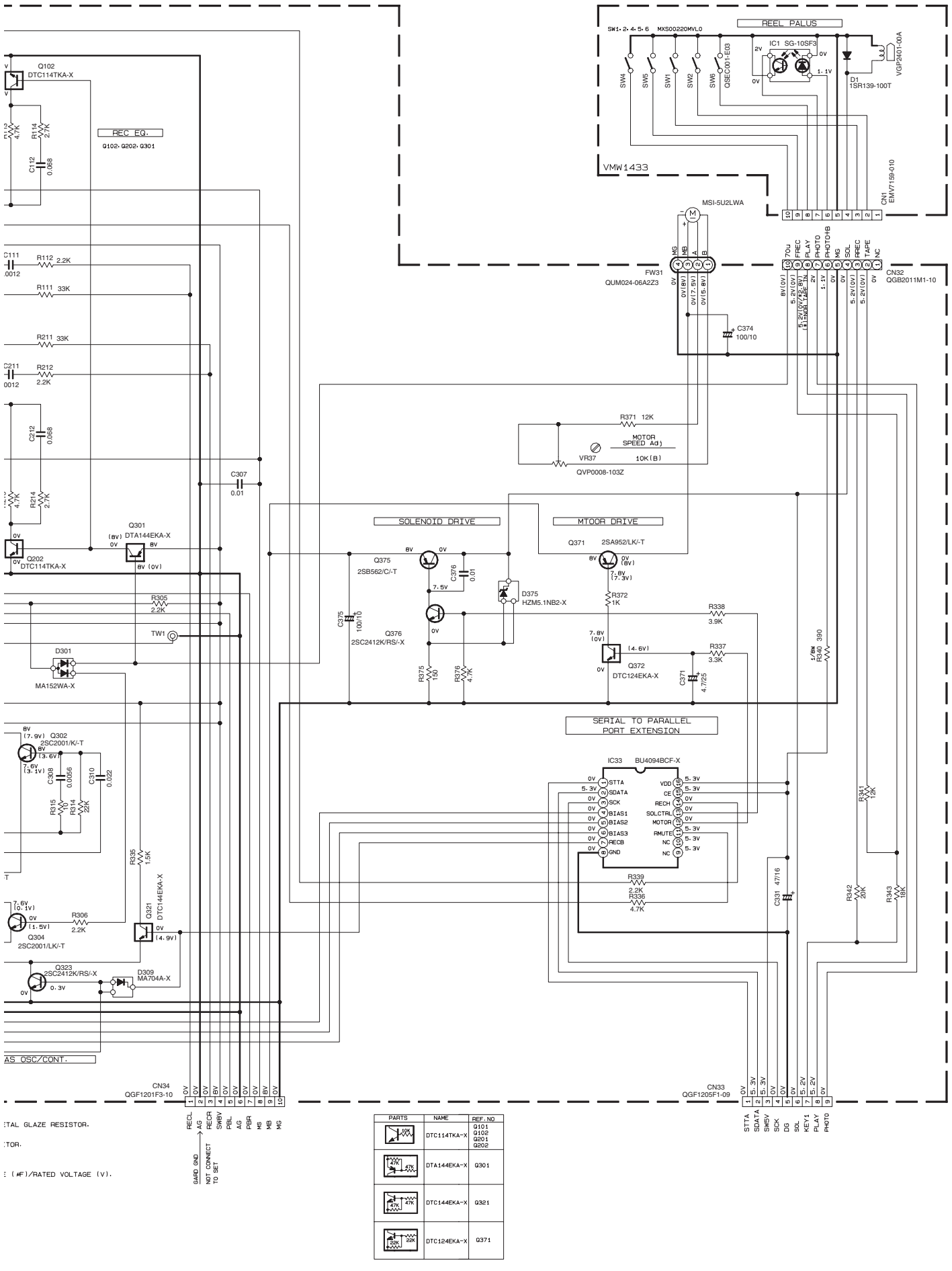
■ Cassette mechanism section (common)



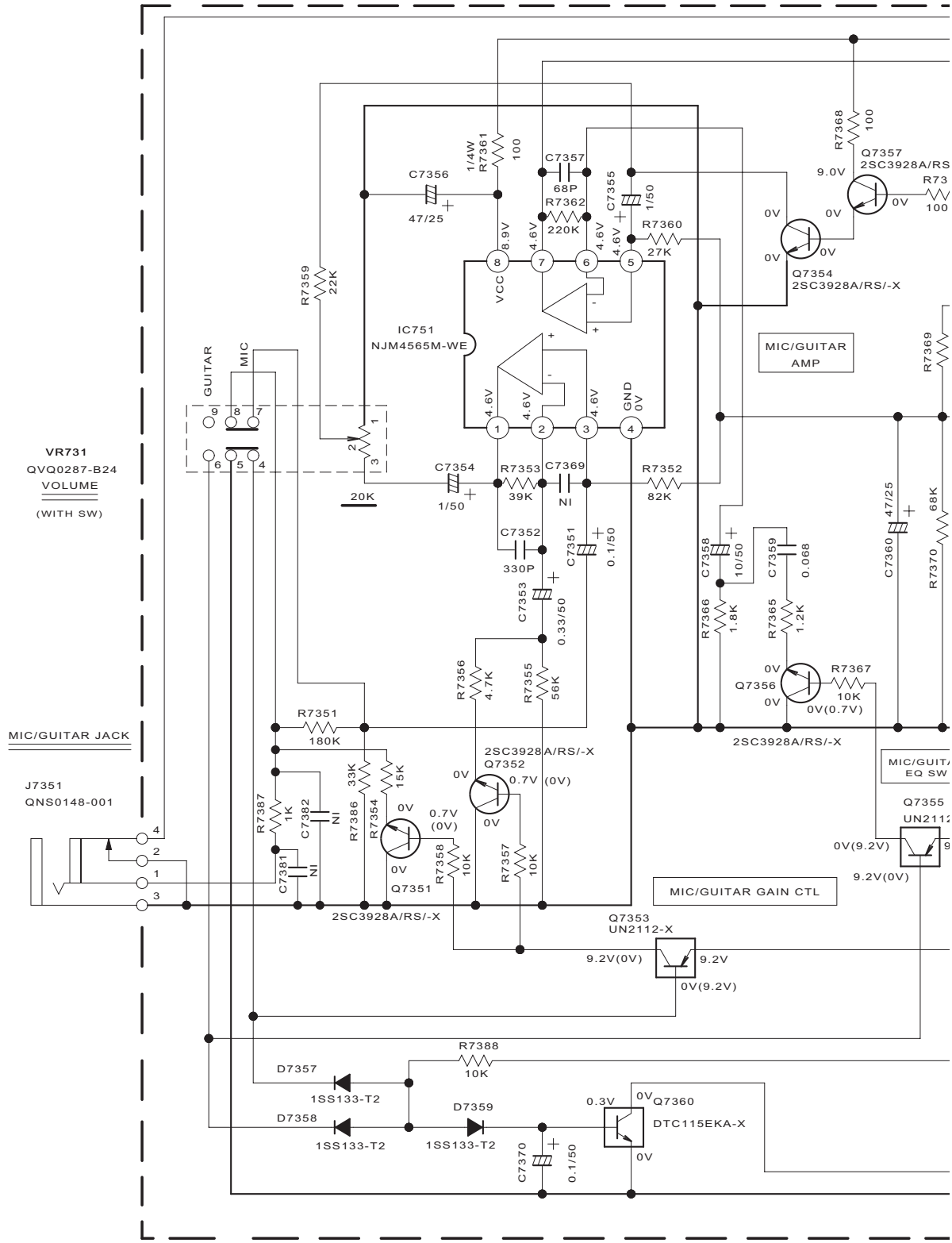
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION : MECHA STOP MODE

2. UNLESS OTHERWISE SPECIFIED , RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V)
   ⊣⊢ POLYPROPYLENE CAPACITOR

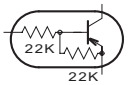

REEL PALUS
SW1.2.4.5.6 MXS00220MVL0
IC1 SG-10SF3
SW4
SW5
SW1
SW2
SW6
QSEC001-E03
D1
1SR139-100T
VGP2401-00A
VMW1433
CN1
EMV7159-010
MSI-5U2LWA
FW31
QUM024-06A2Z3
CN32
QGB2011M1-10
C374
100/10
R371 12K
MOTOR
SPEED Adj
VR37
10K(B)
QVP0008-103Z
REC EQ.
Q102, Q202, Q301
Q102
DTC114TKA-X
Q202
DTC114TKA-X
Q301
DTA144EKA-X
C307
0.01
SOLENOID DRIVE
MTOOR DRIVE
Q375
2SB562/C/-T
Q376
2SC2412K/RS/-X
Q371
2SA952/LK/-T
Q372
DTC124EKA-X
D375
HZM5.1NB2-X
D301
MA152WA-X
TW1
R305
2.2K
R372
1K
R338
3.9K
R337
3.3K
R340
390
SERIAL TO PARALLEL
PORT EXTENSION
IC33
BU4094BCF-X
STTA
SDATA
SCK
BIAS1
BIAS2
BIAS3
RECB
GND
VDD
CE
RECH
SOLCTRL
MOTOR
RMUTE
NC
NC
R339
2.2K
R336
4.7K
R341
12K
R342
20K
R343
18K
C331
47/16
Q302
2SC2001/K/-T
Q304
2SC2001/LK/-T
Q321
DTC144EKA-X
Q323
2SC2412K/RS/-X
D309
MA704A-X
R335
1.5K
R306
2.2K
AS OSC/CONT.
CN34
QGF1201F3-10
CN33
QGF1205F1-09
RECL
AG
RECR
SWBV
PBL
AG
PBR
MS
MB
MG
GUARD GND
NOT CONNECT TO SET
STTA
SDATA
SWSV
SCK
DG
SDL
KEY1
PLAY
PHOTO
ETAL GLAZE RESISTOR.
TOR.
(μF)/RATED VOLTAGE (V).
PARTS
NAME
REF.NO
DTC114TKA-X
Q101
Q102
Q201
Q202
DTA144EKA-X
Q301
DTC144EKA-X
Q321
DTC124EKA-X
Q371

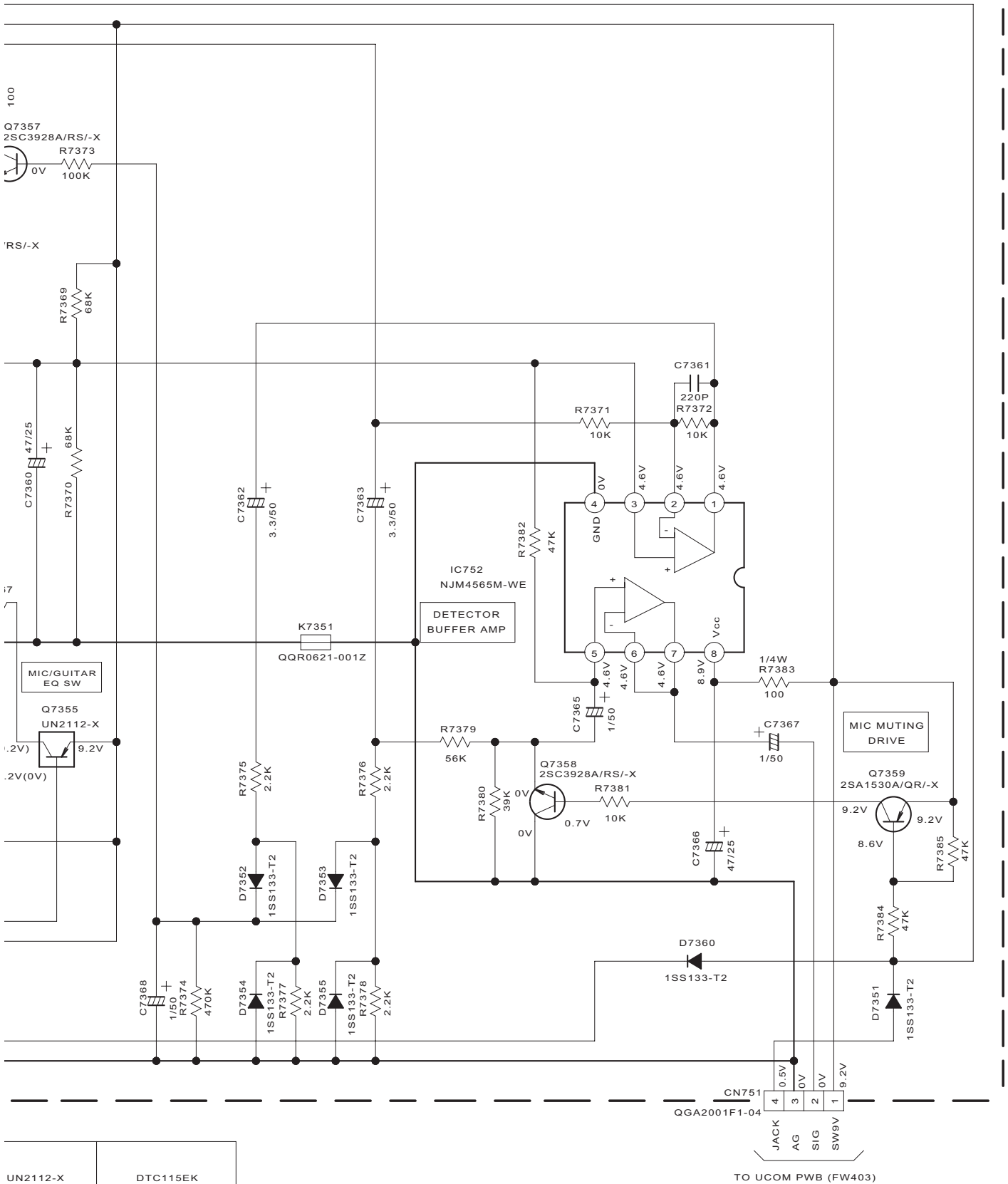
■ Mixing mic section (for J,C)



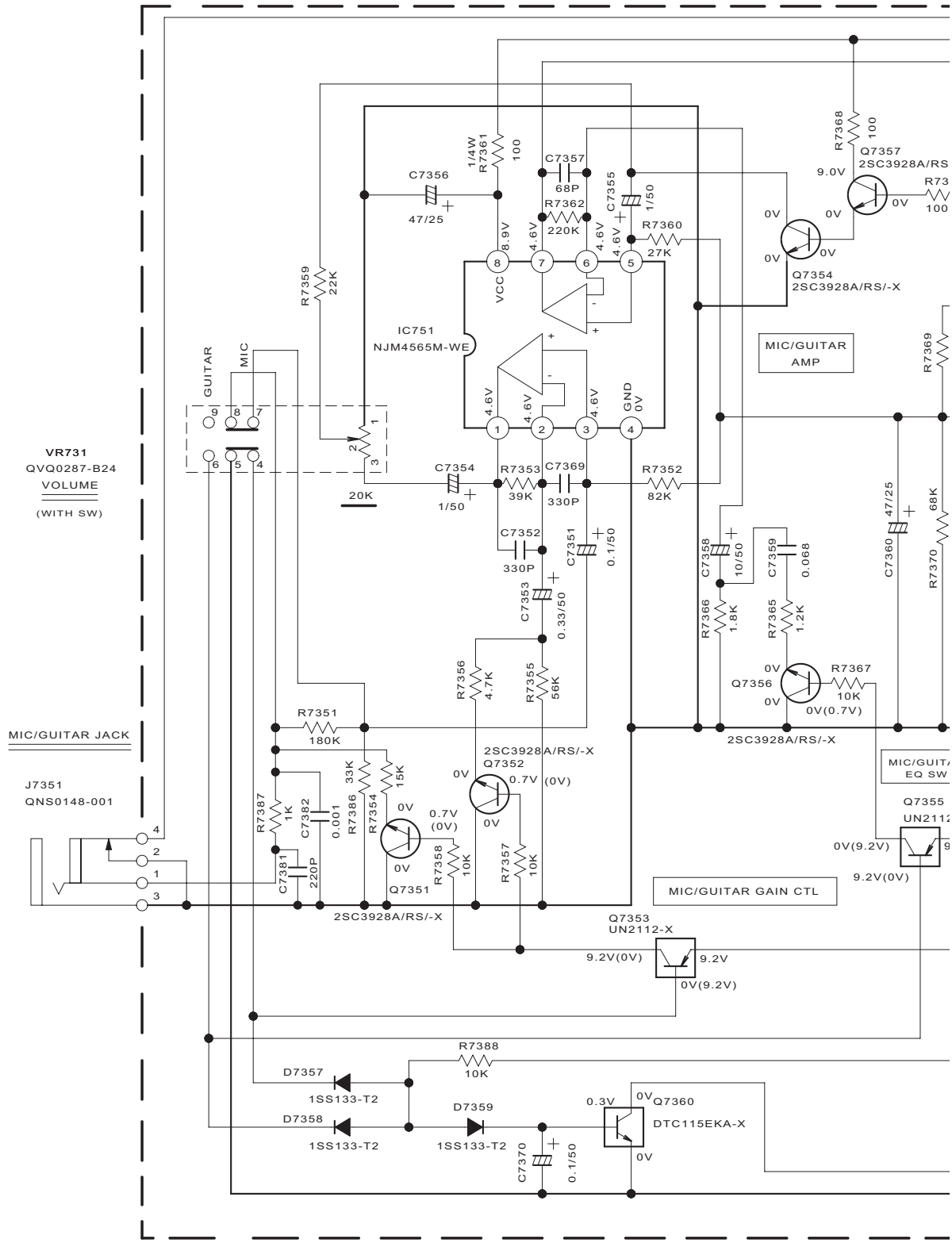
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
   OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION --- CD STOP AT AC SUPPLY
   () IS GUITAR POSITION AND NORMAL IS MIC POSITION
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/16W ±5% MG RESISTOR
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).

PARTSNAME	UN2112-X
CONSTRUCTION	

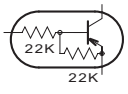

Q7357
2SC3928A/RS/-X
R7373
100K
0V
R7369
68K
C7360
47/25
R7370
68K
C7362
3.3/50
C7363
3.3/50
R7371
10K
C7361
220P
R7372
10K
R7382
47K
IC752
NJM4565M-WE
DETECTOR
BUFFER AMP
GND
Vcc
K7351
QQR0621-001Z
MIC/GUITAR
EQ SW
Q7355
UN2112-X
9.2V
R7375
2.2K
R7376
2.2K
D7352
1SS133-T2
D7353
1SS133-T2
R7379
56K
C7365
1/50
1/4W
R7383
100
C7367
1/50
MIC MUTING
DRIVE
Q7358
2SC3928A/RS/-X
R7380
39K
R7381
10K
0.7V
Q7359
2SA1530A/QR/-X
9.2V
8.6V
R7385
47K
C7366
47/25
R7384
47K
D7360
1SS133-T2
D7351
1SS133-T2
C7368
1/50
R7374
470K
D7354
1SS133-T2
R7377
2.2K
D7355
1SS133-T2
R7378
2.2K
CN751
QGA2001F1-04
JACK
AG
SIG
SW9V
TO UCOM PWB (FW403)
UN2112-X
DTC115EK
22K
22K
100K
100K

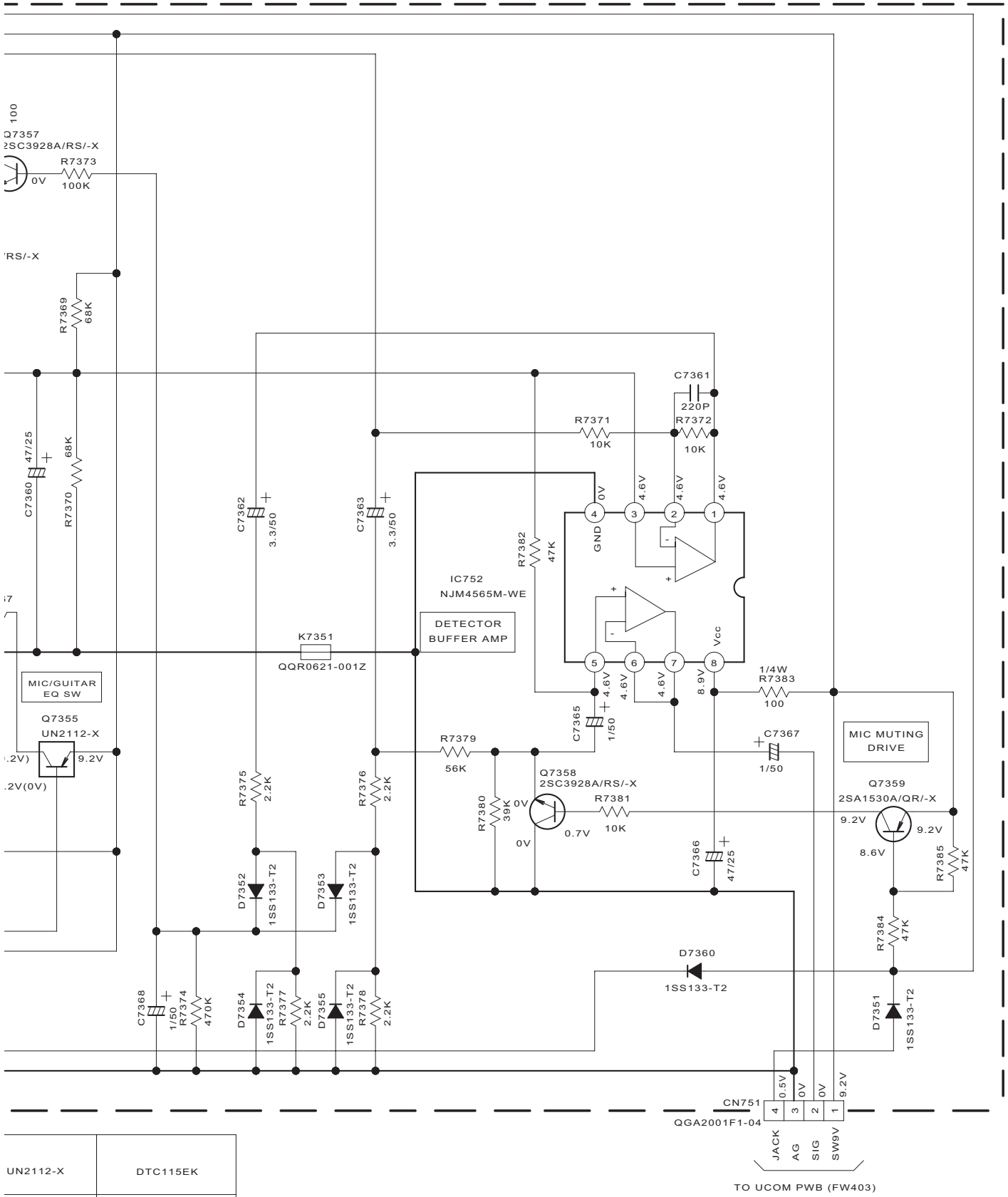
■ Mixing mic section (for B,E,EN,EV)



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
   OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION --- CD STOP AT AC SUPPLY
   () IS GUITAR POSITION AND NORMAL IS MIC POSITION
2. UNLESS OTHERWISE SPECIFIED RESISTORS ARE 1/16W ±5% MG RESISTOR
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).

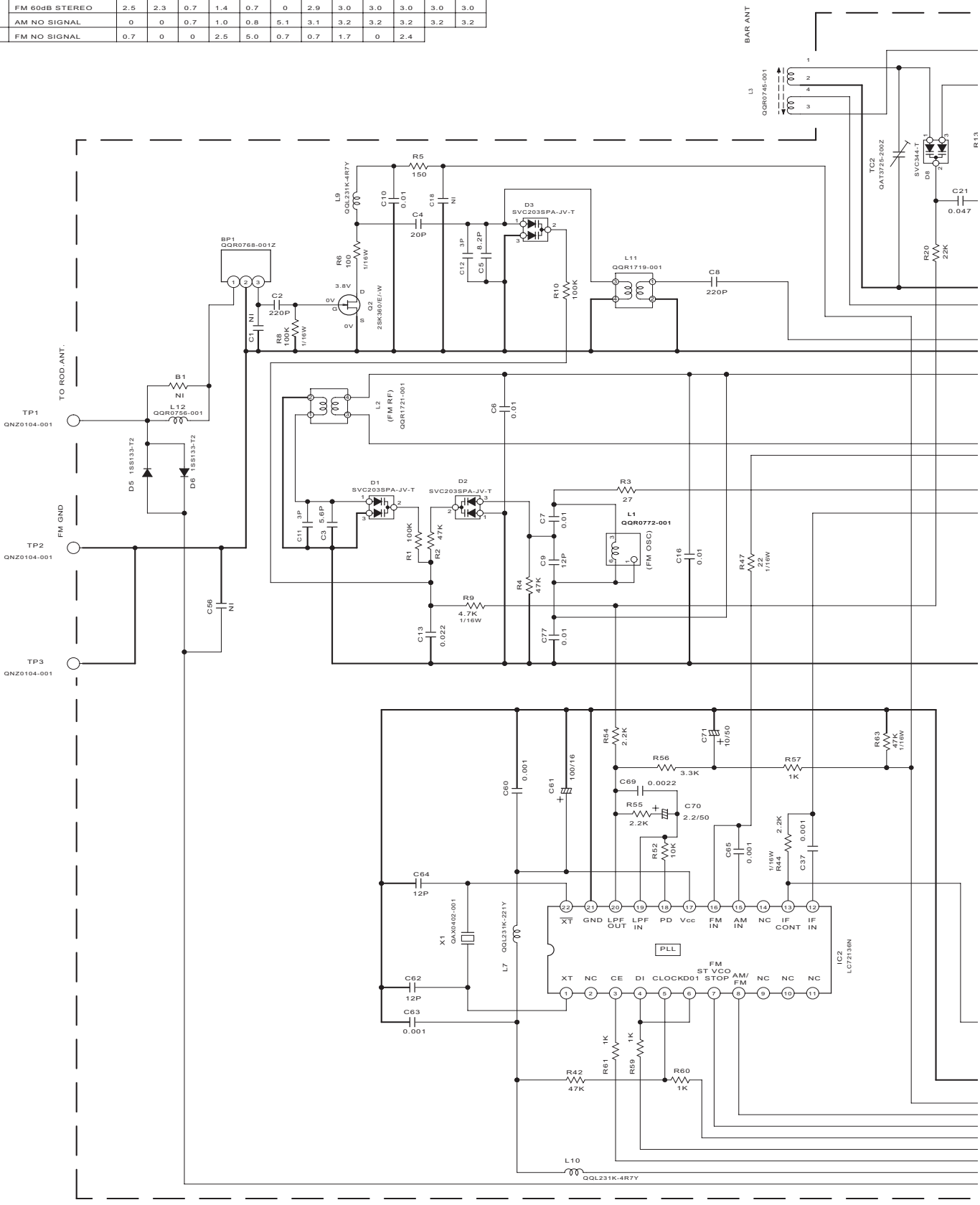
PARTSNAME	UN2112-X
CONSTRUCTION	

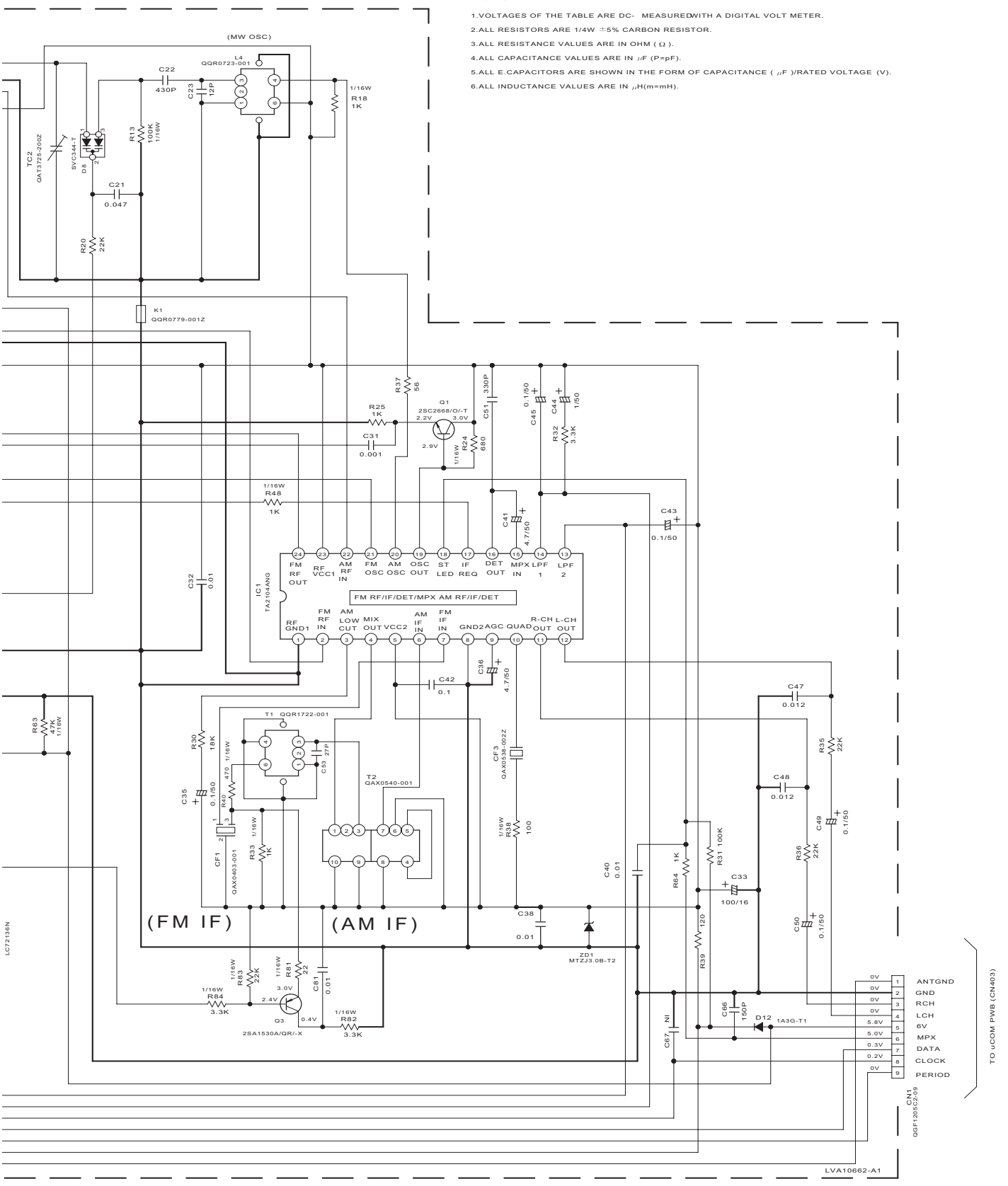

Q7357
2SC3928A/RS/-X
R7373
100K
0V
R7369
68K
C7360
47/25
R7370
68K
C7362
3.3/50
C7363
3.3/50
R7382
47K
IC752
NJM4565M-WE
DETECTOR
BUFFER AMP
K7351
QQR0621-001Z
GND
Vcc
C7361
220P
R7371
10K
R7372
10K
1/4W
R7383
100
C7365
1/50
C7367
1/50
R7379
56K
MIC/GUITAR
EQ SW
Q7355
UN2112-X
9.2V
R7375
2.2K
R7376
2.2K
Q7358
2SC3928A/RS/-X
R7380
39K
R7381
10K
0.7V
C7366
47/25
MIC MUTING
DRIVE
Q7359
2SA1530A/QR/-X
9.2V
8.6V
R7385
47K
R7384
47K
D7352
1SS133-T2
D7353
1SS133-T2
D7354
1SS133-T2
R7377
2.2K
D7355
1SS133-T2
R7378
2.2K
C7368
1/50
R7374
470K
D7360
1SS133-T2
D7351
1SS133-T2
CN751
QGA2001F1-04
JACK
AG
SIG
SW9V
TO UCOM PWB (FW403)
UN2112-X
DTC115EK
22K
22K
100K
100K

■ Tuner section (for J,C)

PIN NO		1	2	3	4	5	6	7	8	9	10	11	12
IC1	FM NO SIGNAL	0	0.8	0	3.1	3.1	2.6	3.1	0	0	2.4	1.2	1.2
	FM 60dB STEREO	0	0.8	0	3.0	3.0	2.5	3.0	0	0.6	2.3	1.2	1.2
	AM NO SIGNAL	0	0	1.0	3.2	3.2	2.6	3.2	0	0.1	2.7	1.2	1.2
IC2	FM NO SIGNAL	2.5	0	0	0.3	0.3	0.3	2.3	2.1	0	0	0	0

PIN NO		13	14	15	16	17	18	19	20	21	22	23	24
IC1	FM NO SIGNAL	2.0	2.3	0.7	1.4	0.8	5.1	2.9	3.0	3.0	3.0	3.0	3.0
	FM 60dB STEREO	2.5	2.3	0.7	1.4	0.7	0	2.9	3.0	3.0	3.0	3.0	3.0
	AM NO SIGNAL	0	0	0.7	1.0	0.8	5.1	3.1	3.2	3.2	3.2	3.2	3.2
IC2	FM NO SIGNAL	0.7	0	0	2.5	5.0	0.7	0.7	1.7	0	2.4		



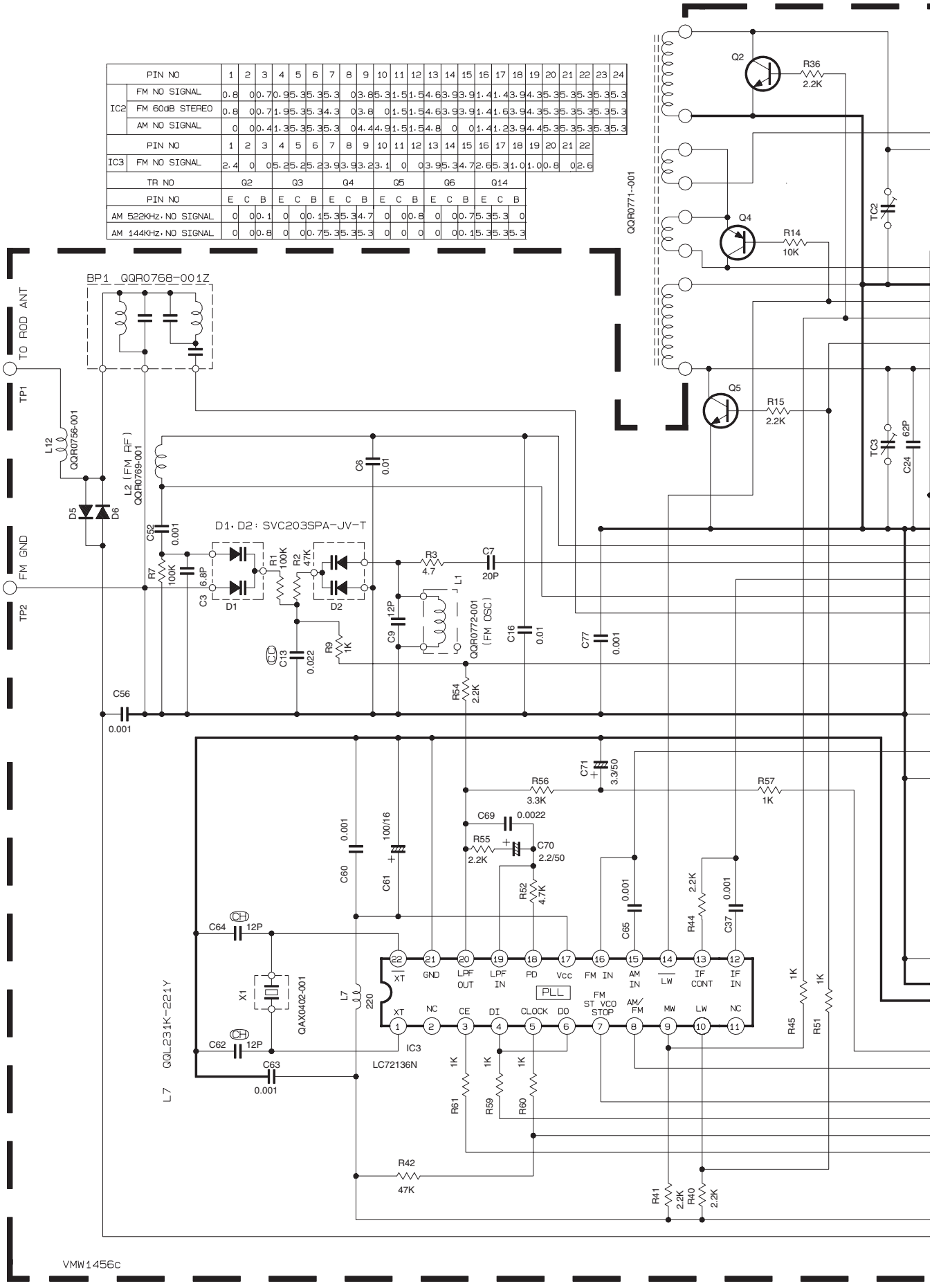

NOTES
1.VOLTAGES OF THE TABLE ARE DC- MEASURED WITH A DIGITAL VOLT METER.
2.ALL RESISTORS ARE 1/4W ±5% CARBON RESISTOR.
3.ALL RESISTANCE VALUES ARE IN OHM (Ω).
4.ALL CAPACITANCE VALUES ARE IN μF (P=pF).
5.ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
6.ALL INDUCTANCE VALUES ARE IN μH(m=mH).
(MW OSC)
L4 QQR0723-001
C22 430P
C23 12P
1/16W R18 1K
TC2 QAT13725-200Z
SVC344-T
D8
R13 100K 1/16W
C21 0.047
R20 22K
K1 QQR0779-001Z
R37 56
Q1 2SC2668/O/-T
2.2V 3.0V 2.9V
R25 1K
C31 0.001
R24 680 1/16W
C51 330P
C45 0.1/50
C44 1/50
R32 3.3K
1/16W R48 1K
C41 4.7/50
C43 0.1/50
IC1 TA2104ANG
FM RF/IF/DET/MPX AM RF/IF/DET
FM RF OUT
RF VCC1
AM RF IN
FM OSC
AM OSC
OSC OUT
ST LED
IF REQ
DET OUT
MPX IN
LPF 1
LPF 2
RF GND1
FM RF IN
AM LOW CUT
MIX OUT
VCC2
AM IF IN
FM IF IN
GND2
AGC QUAD
R-CH OUT
L-CH OUT
C32 0.01
C42 0.1
C36 4.7/50
C47 0.012
C48 0.012
R35 22K
R63 47K 1/16W
T1 QQR1722-001
R30 18K
R40 470 1/16W
C53 27P
T2 QAX0540-001
CF3 QAX0538-002Z
C35 0.1/50
CF1 QAX0403-001
R33 1K 1/16W
R34 100 1/16W
C40 0.01
R64 1K
R31 100K
C33 100/16
R36 22K
C49 0.1/50
C50 0.1/50
C38 0.01
ZD1 MTZJ3.0B-T2
R39 120
(FM IF)
(AM IF)
LC72136N
R83 22K 1/16W
R81 22 1/16W
C81 0.01
R84 3.3K 1/16W
Q3 2SA1530A/QR/-X
3.0V 2.4V 0.4V
R82 3.3K 1/16W
C66 150P
D12 1A3G-T1
NI
C67
ANTGND
GND
RCH
LCH
6V
MPX
DATA
CLOCK
PERIOD
0V 0V 0V 0V 5.8V 5.0V 0.3V 0.2V 0V
CN1 QGF1205C2-09
TO uCOM PWB (CN403)
LVA10662-A1

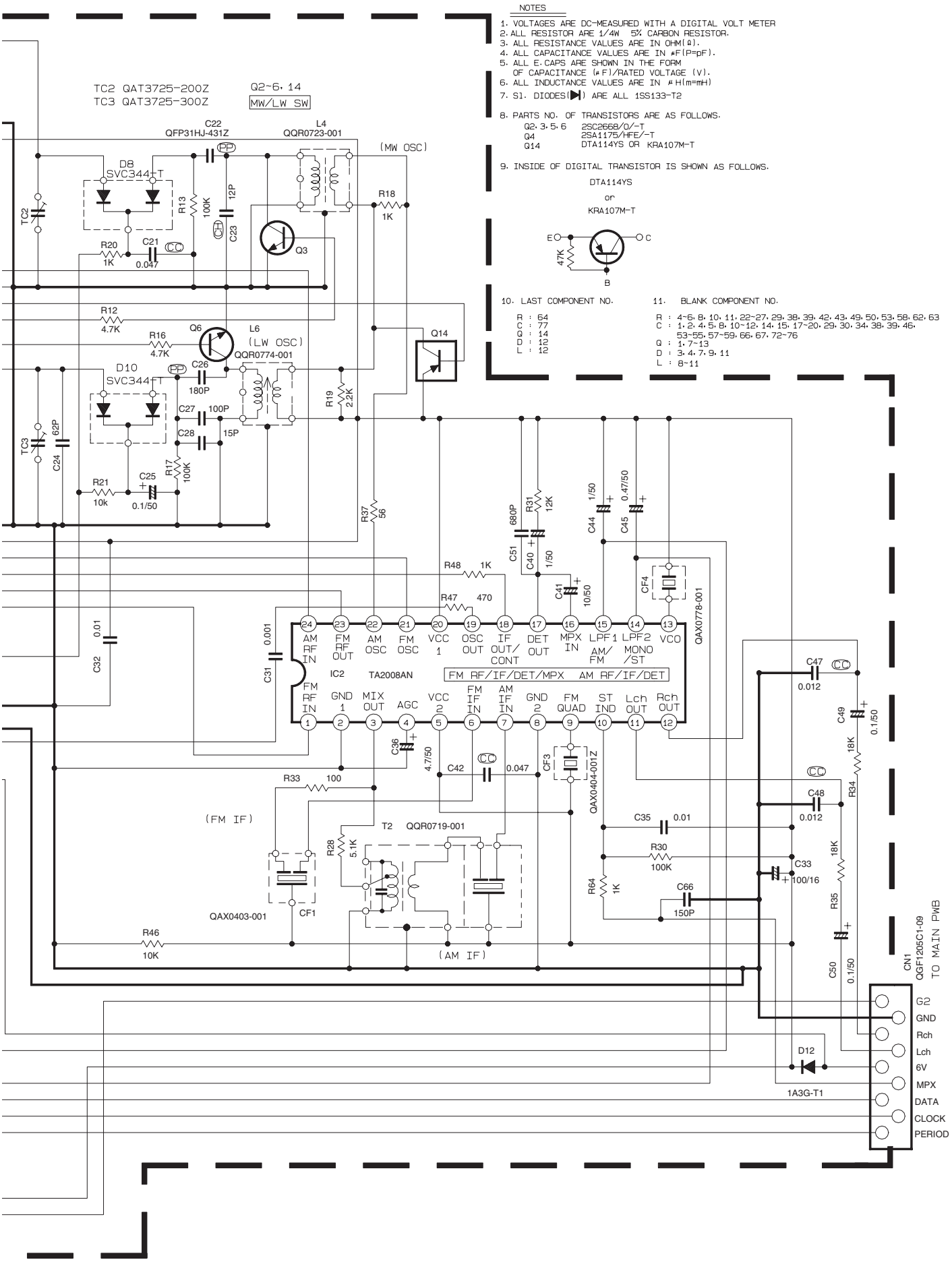
■ Tuner section (for B,E,EN,EV)

	PIN NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
IC2	FM NO SIGNAL	0.8	0	0.7	0.9	5.3	5.3	5.3	0	3.8	5.3	1.5	1.5	4.6	3.9	3.9	1.4	1.4	3.9	4.3	5.3	5.3	5.3	5.3	5.3
	FM 60dB STEREO	0.8	0	0.7	1.9	5.3	5.3	4.3	0	3.8	0	1.5	1.5	4.6	3.9	3.9	1.4	1.6	3.9	4.3	5.3	5.3	5.3	5.3	5.3
	AM NO SIGNAL	0	0	0.4	1.3	5.3	5.3	5.3	0	4.4	4.9	1.5	1.5	4.8	0	0	1.4	1.2	3.9	4.4	5.3	5.3	5.3	5.3	5.3

	PIN NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
IC3	FM NO SIGNAL	2.4	0	0	5.2	5.2	5.2	3.9	3.9	3.2	3.1	0	0	3.9	5.3	4.7	2.6	5.3	1.0	1.0	0.8	0	2.6

TR NO	Q2			Q3			Q4			Q5			Q6			Q14		
PIN NO	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
AM 522KHz, NO SIGNAL	0	0	0.1	0	0	0.1	5.3	5.3	4.7	0	0	0.8	0	0	0.7	5.3	5.3	0
AM 144KHz, NO SIGNAL	0	0	0.8	0	0	0.7	5.3	5.3	5.3	0	0	0	0	0	0.1	5.3	5.3	5.3



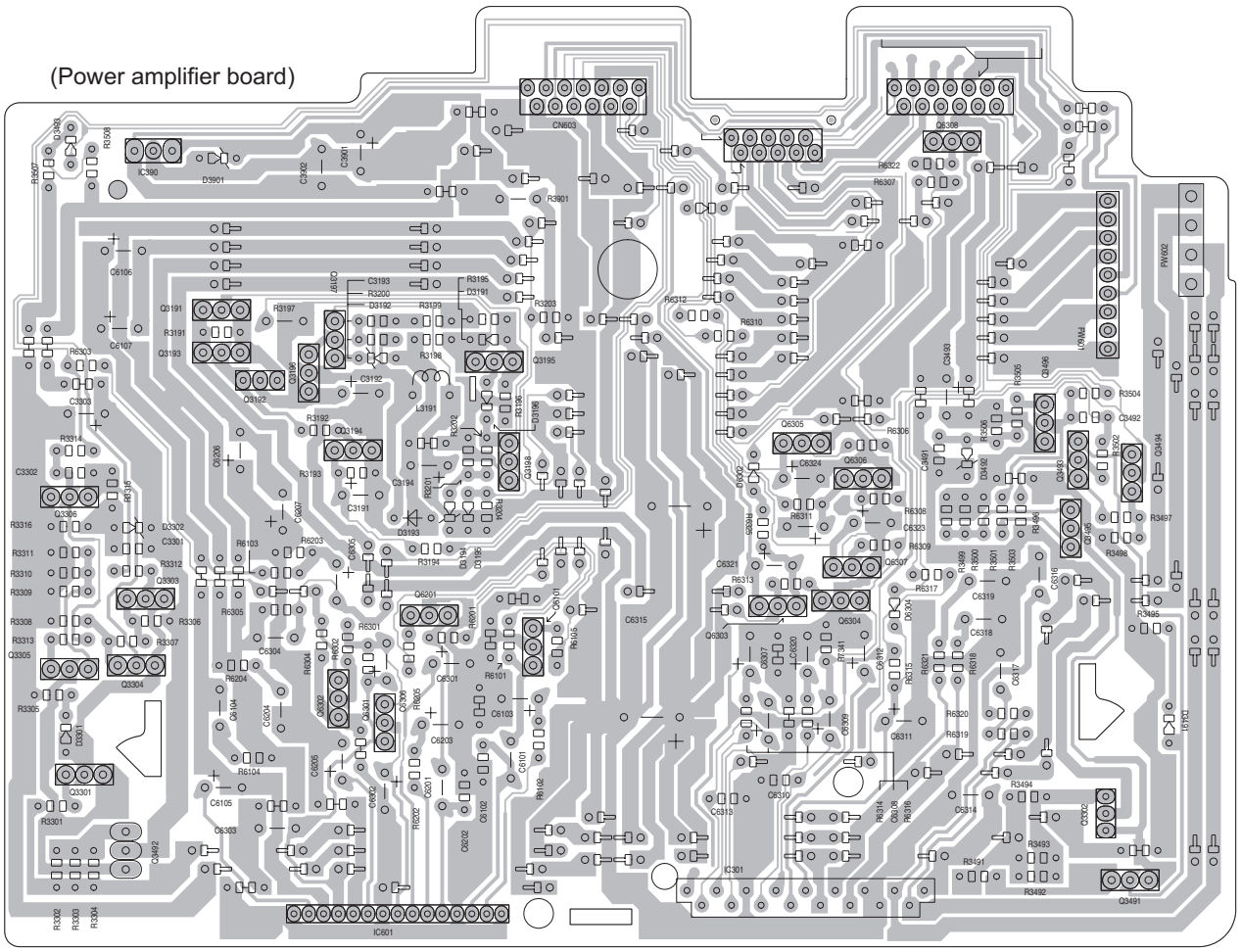

NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
2. ALL RESISTOR ARE 1/4W 5% CARBON RESISTOR.
3. ALL RESISTANCE VALUES ARE IN OHM(Ω).
4. ALL CAPACITANCE VALUES ARE IN μF(P=pF).
5. ALL E.CAPS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
6. ALL INDUCTANCE VALUES ARE IN μH(m=mH)
7. S1. DIODES(▶|) ARE ALL 1SS133-T2
8. PARTS NO. OF TRANSISTORS ARE AS FOLLOWS.
Q2.3.5.6 2SC2668/O/-T
Q4 2SA1175/HFE/-T
Q14 DTA114YS OR KRA107M-T
9. INSIDE OF DIGITAL TRANSISTOR IS SHOWN AS FOLLOWS.
DTA114YS
or
KRA107M-T
E
C
47K
B
10. LAST COMPONENT NO.
R : 64
C : 77
Q : 14
D : 12
L : 12
11. BLANK COMPONENT NO.
R : 4~6.8.10.11.22~27.29.38.39.42.43.49.50.53.58.62.63
C : 1.2.4.5.8.10~12.14.15.17~20.29.30.34.38.39.46.53~55.57~59.66.67.72~76
Q : 1.7~13
D : 3.4.7.9.11
L : 8~11
TC2 QAT3725-200Z
TC3 QAT3725-300Z
Q2~6.14
MW/LW SW
C22
QFP31HJ-431Z
L4
QQR0723-001
(MW OSC)
D8
SVC344-T
R18
1K
R20
1K
C21
0.047
Q3
R12
4.7K
R16
4.7K
Q6
L6
(LW OSC)
QQR0774-001
Q14
D10
SVC344-T
C26
180P
C27
100P
C28
15P
R19
2.2K
R21
10k
C25
0.1/50
R17
100K
R37
56
680P
R31
12K
C51
C40
1/50
C44
1/50
C45
0.47/50
R48
1K
R47
470
C41
10/50
CF4
QAX0778-001
IC2
TA2008AN
FM RF/IF/DET/MPX AM RF/IF/DET
FM RF IN
GND 1
MIX OUT
AGC
VCC 2
FM IF IN
AM IF IN
GND 2
FM QUAD
ST IND
Lch OUT
Rch OUT
AM RF IN
FM RF OUT
AM OSC
FM OSC
VCC 1
OSC OUT
IF OUT/ CONT
DET OUT
MPX IN
LPF1 AM/ FM
LPF2 MONO /ST
VCO
C36
4.7/50
C42
0.047
CF3
QAX0404-001Z
R33
100
(FM IF)
T2
QQR0719-001
R28
5.1K
CF1
QAX0403-001
R46
10K
(AM IF)
C47
0.012
C49
0.1/50
18K
R34
C48
0.012
C35
0.01
R30
100K
C33
100/16
R64
1K
C66
150P
18K
R35
C50
0.1/50
CN1
QGF1205C1-09
TO MAIN PWB
G2
GND
Rch
Lch
6V
MPX
DATA
CLOCK
PERIOD
D12
1A3G-T1
C31
0.001
C32
0.01
TC3
62P
C24

Printed circuit boards

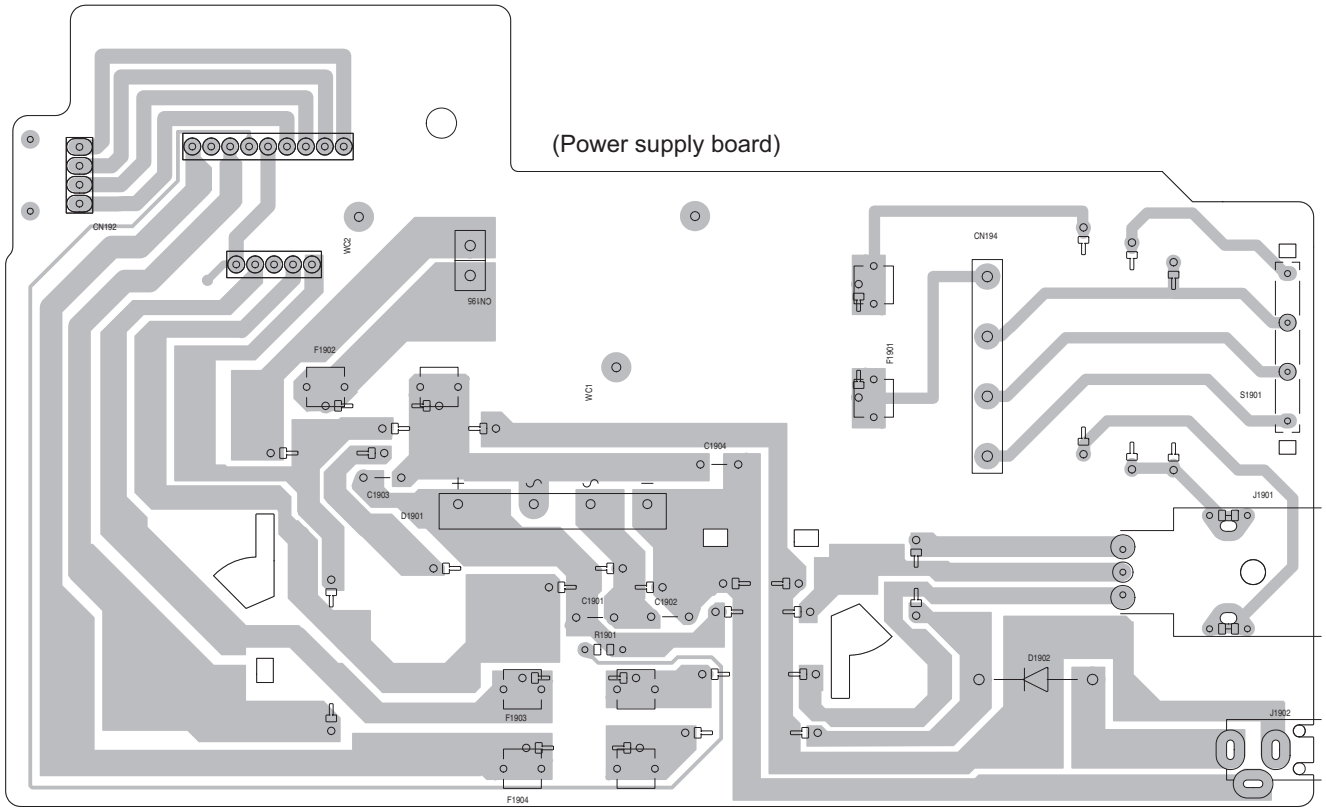
■ Main board (for J,C)

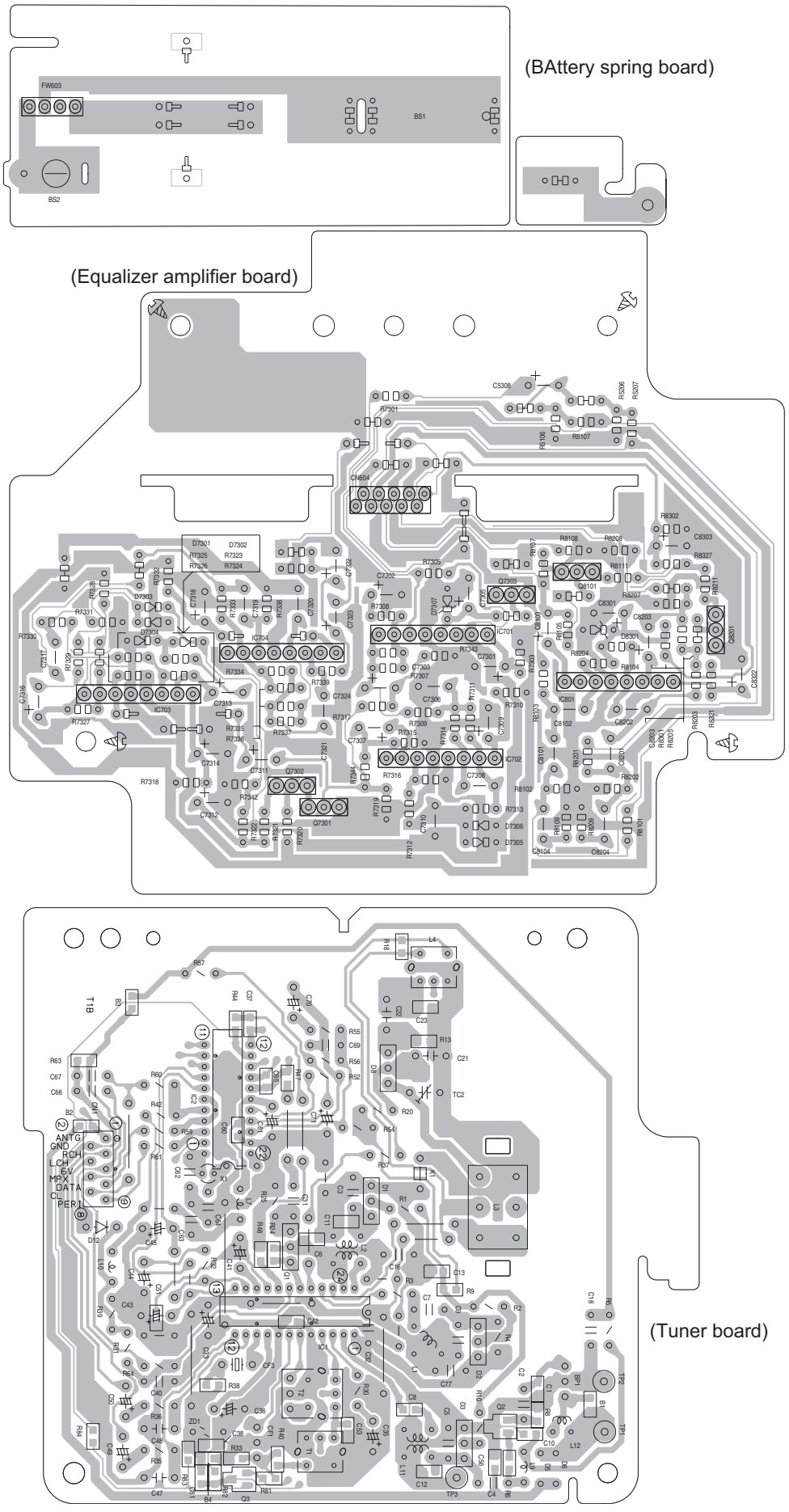
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

(Power amplifier board)



(Power supply board)

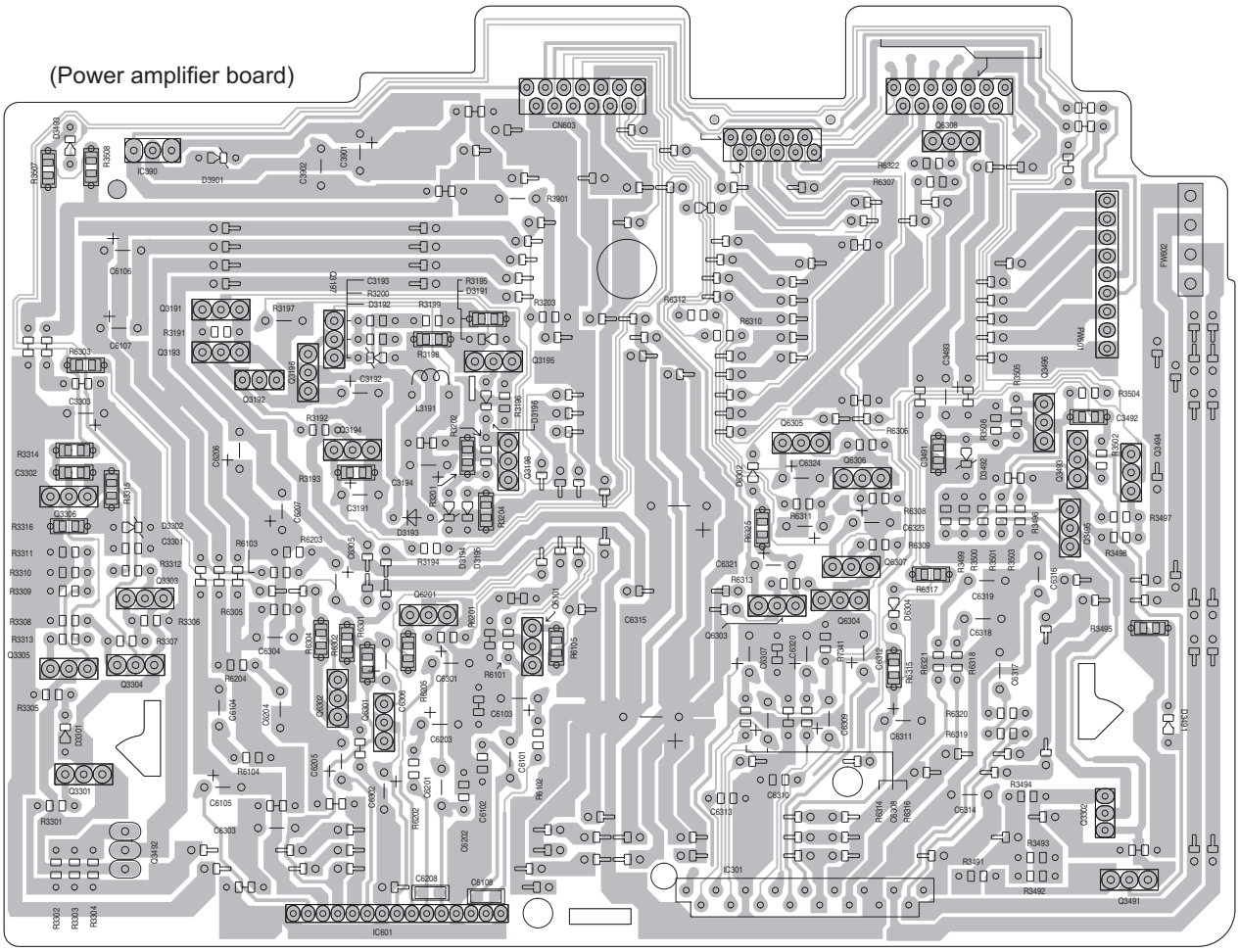



(BAttery spring board)
(Equalizer amplifier board)
(Tuner board)

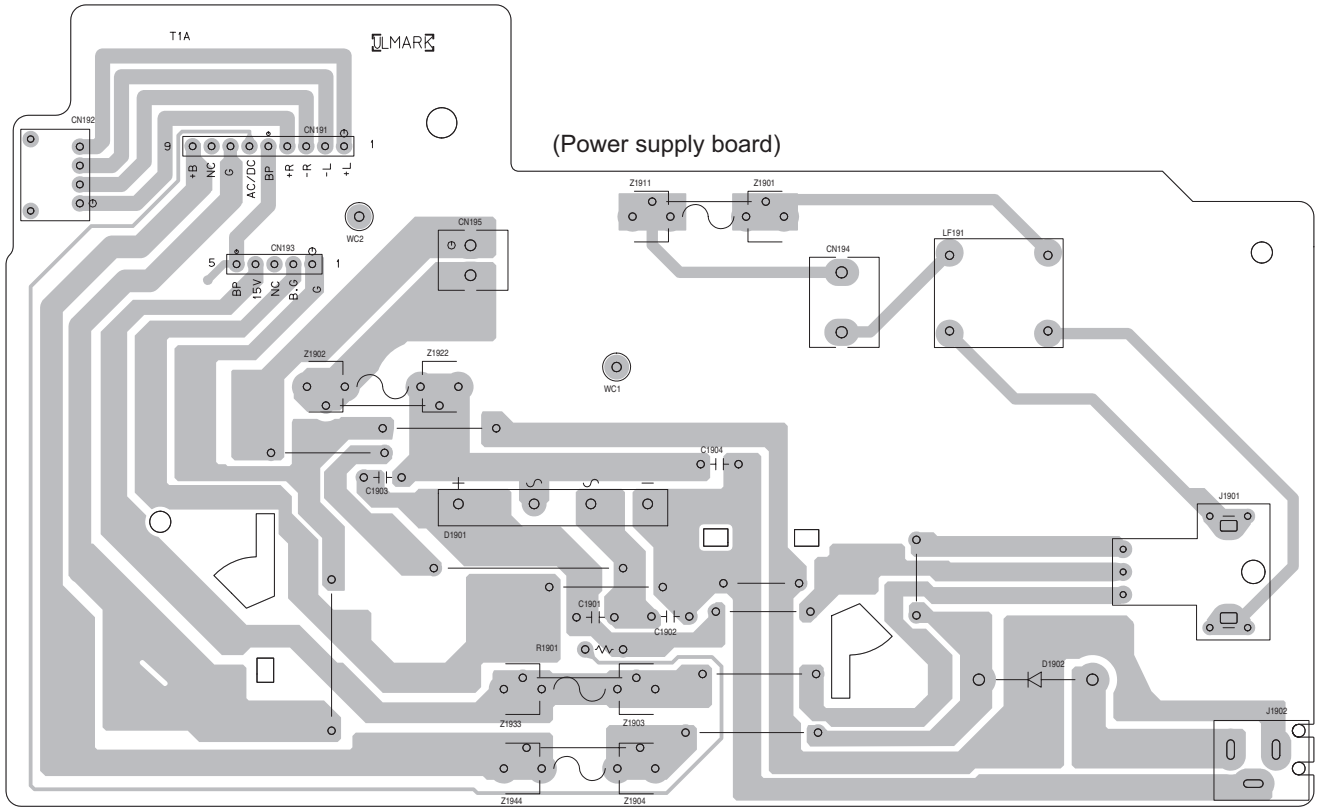
■ Main board (except J,C)

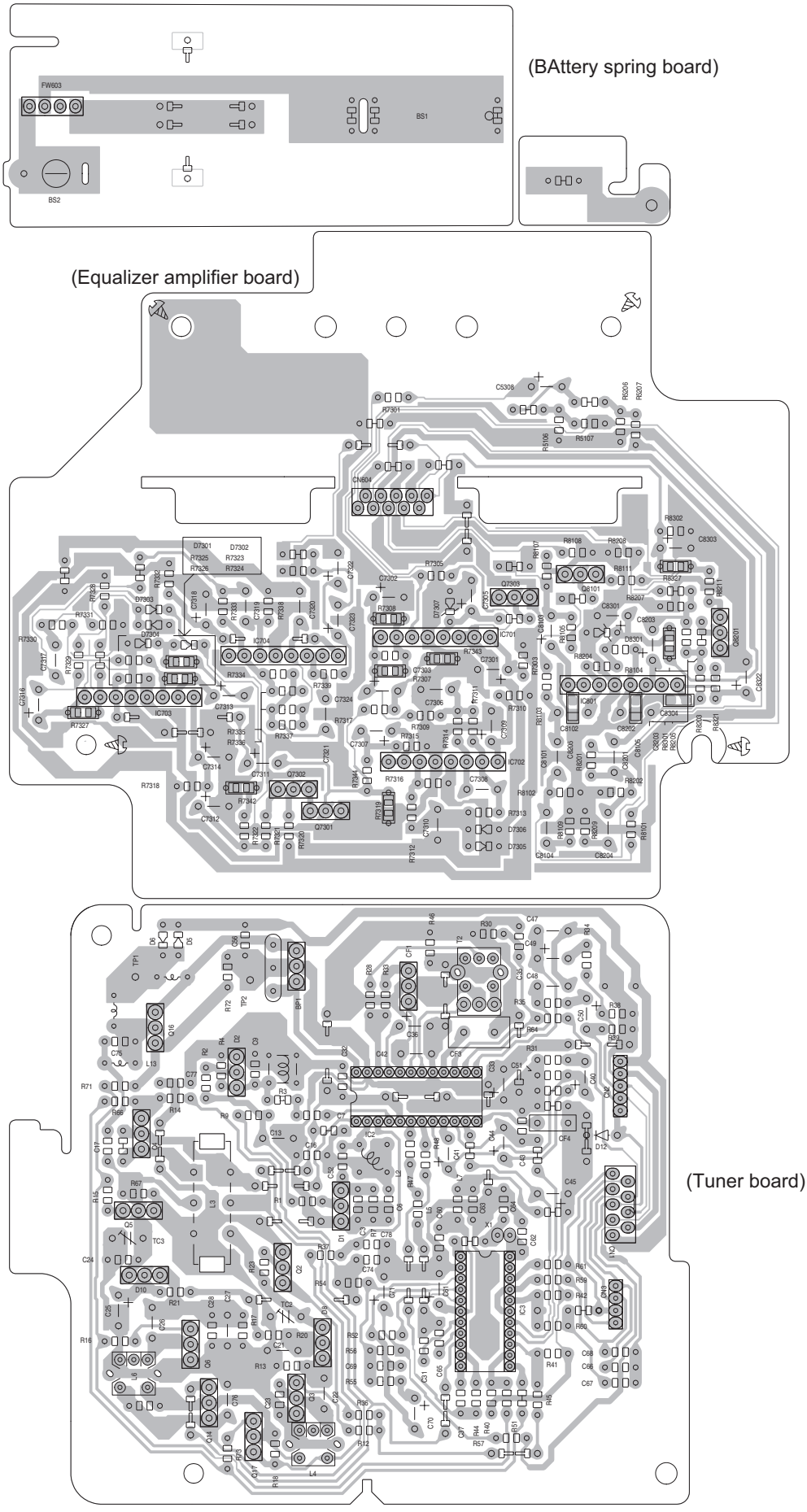
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

(Power amplifier board)



(Power supply board)

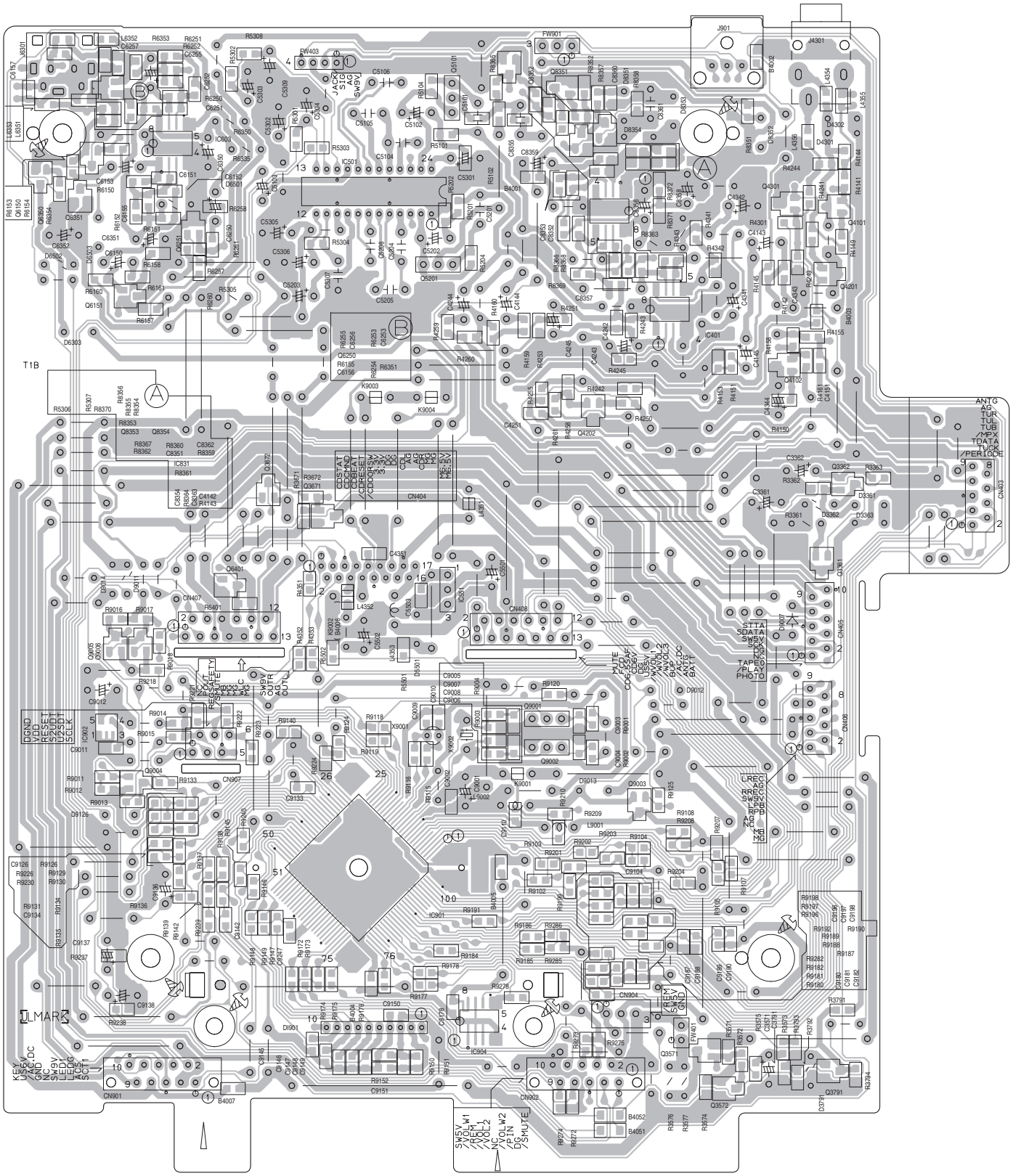



(BAttery spring board)
(Equalizer amplifier board)
(Tuner board)

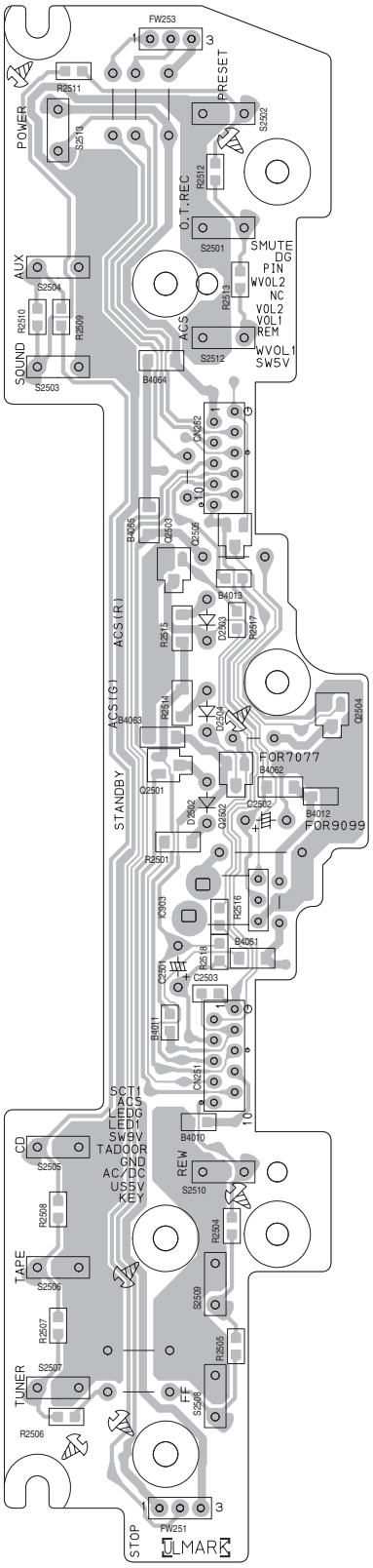
■ Micon board (for J,C)

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

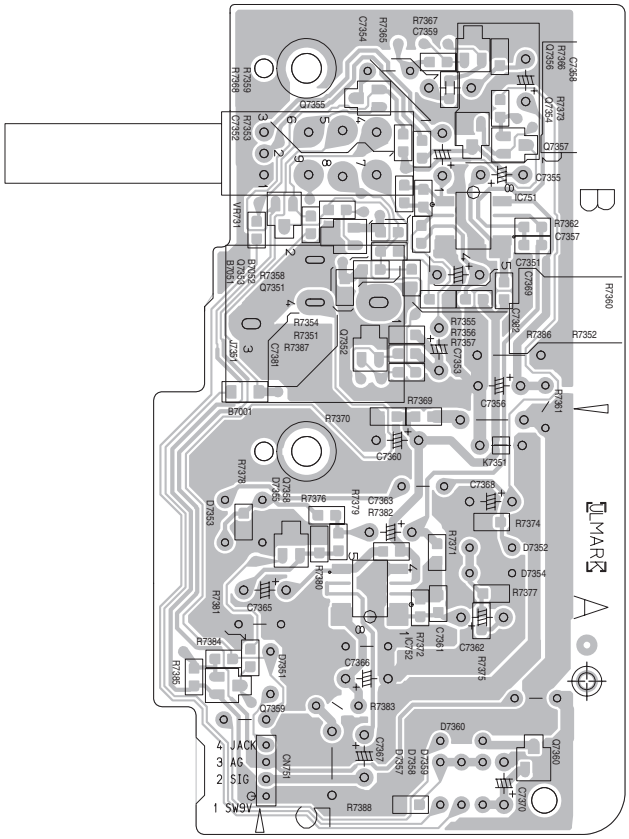
(Display control board)



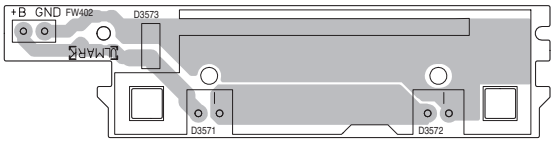
(Key board)



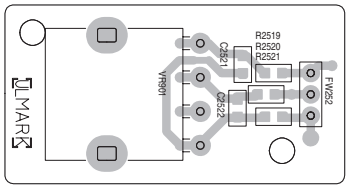
(Guitar and Mic. jack board)



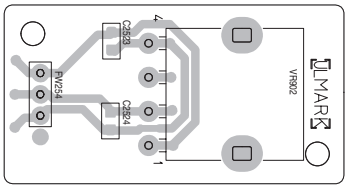
(LED board)



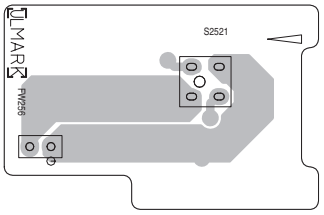
(Volume board)



(Woofer volume board)



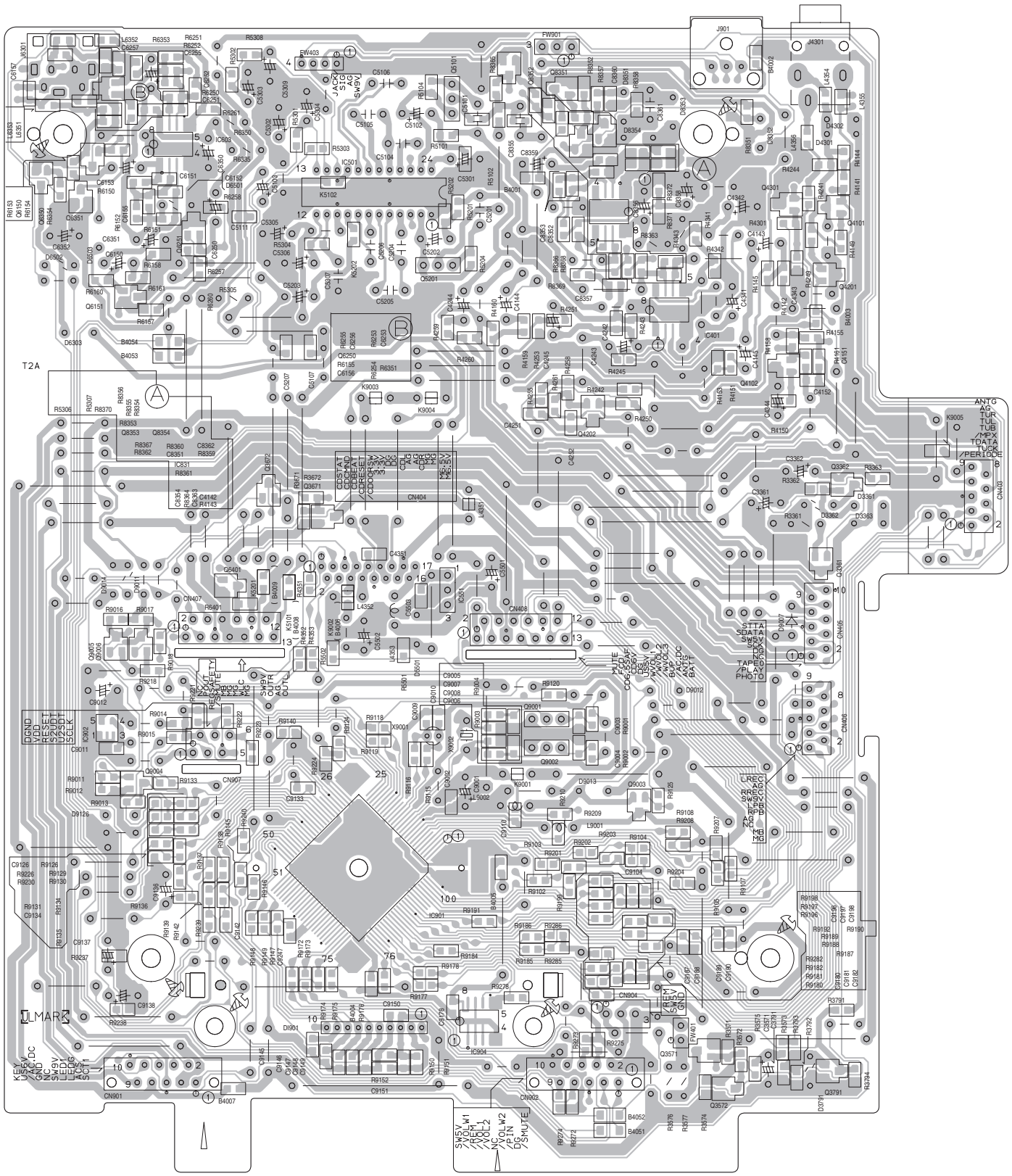
(CD door switch board)



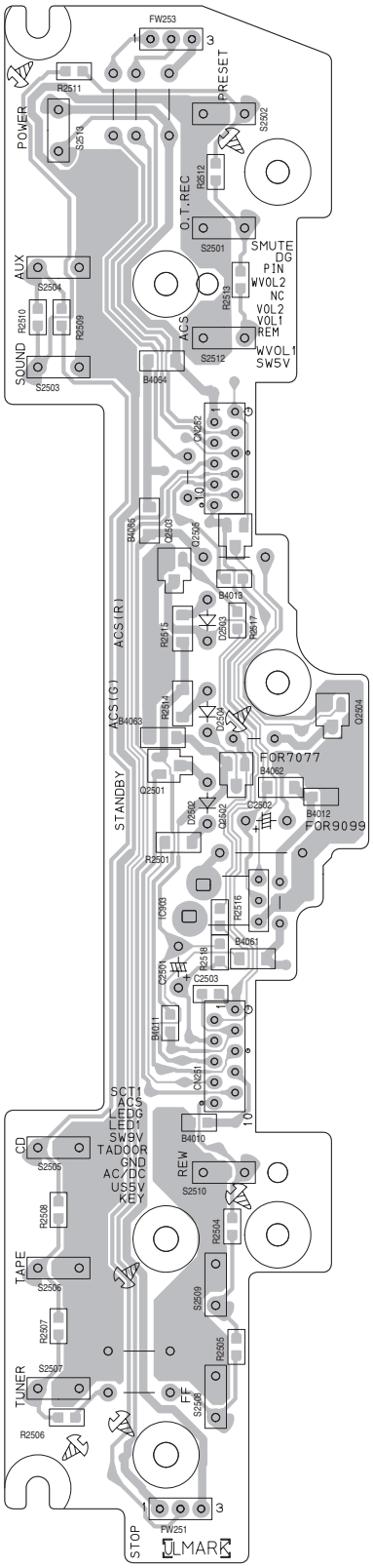
■ Micon board (except J,C)

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

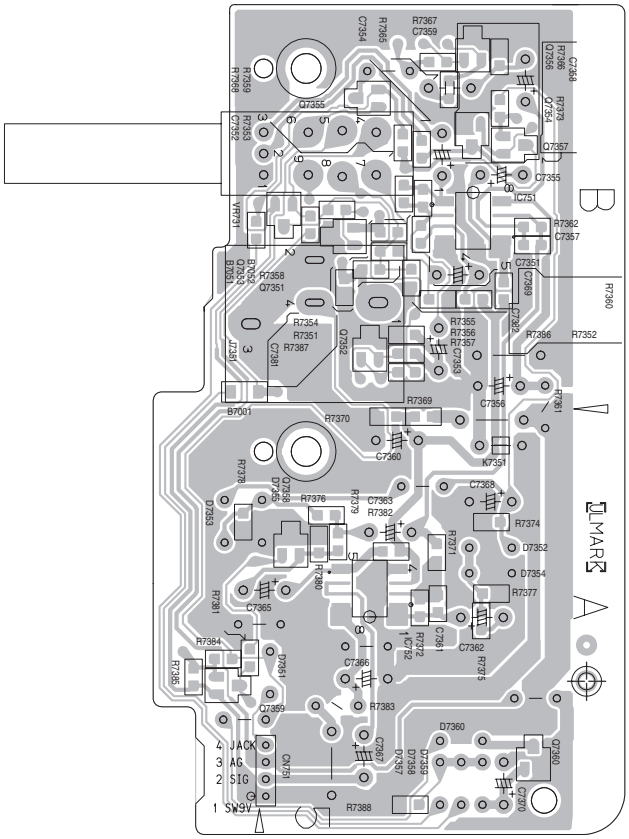
(Display control board)



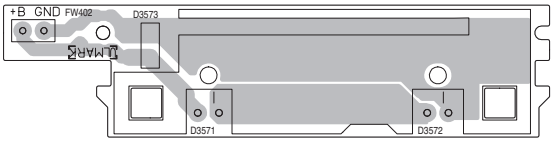
(Key board)



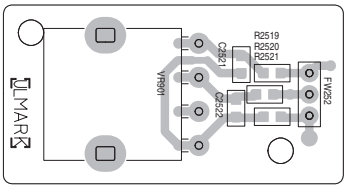
(Guitar and Mic. jack board)



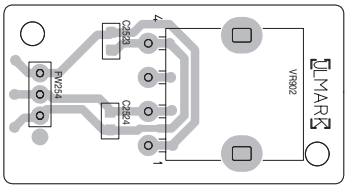
(LED board)



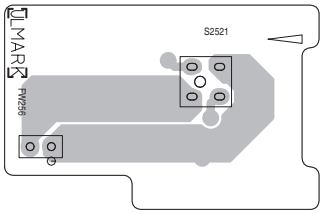
(Volume board)



(Woofer volume board)



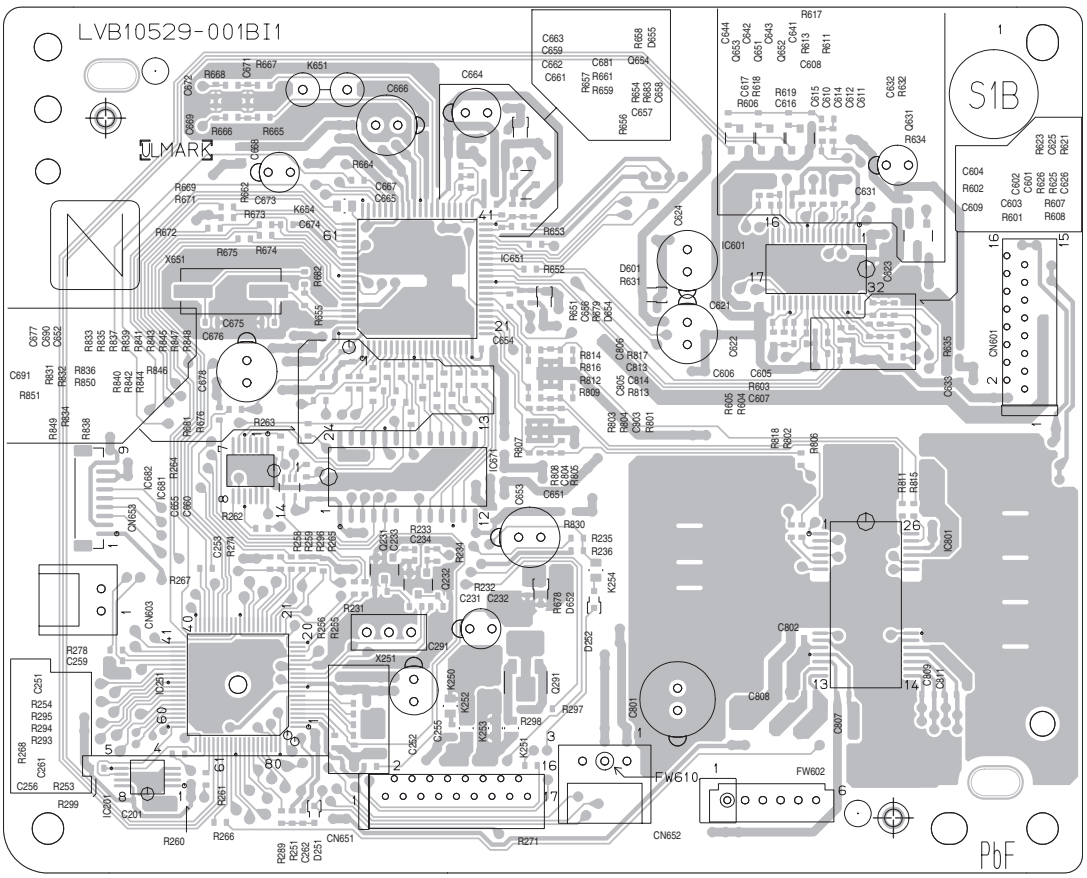
(CD door switch board)



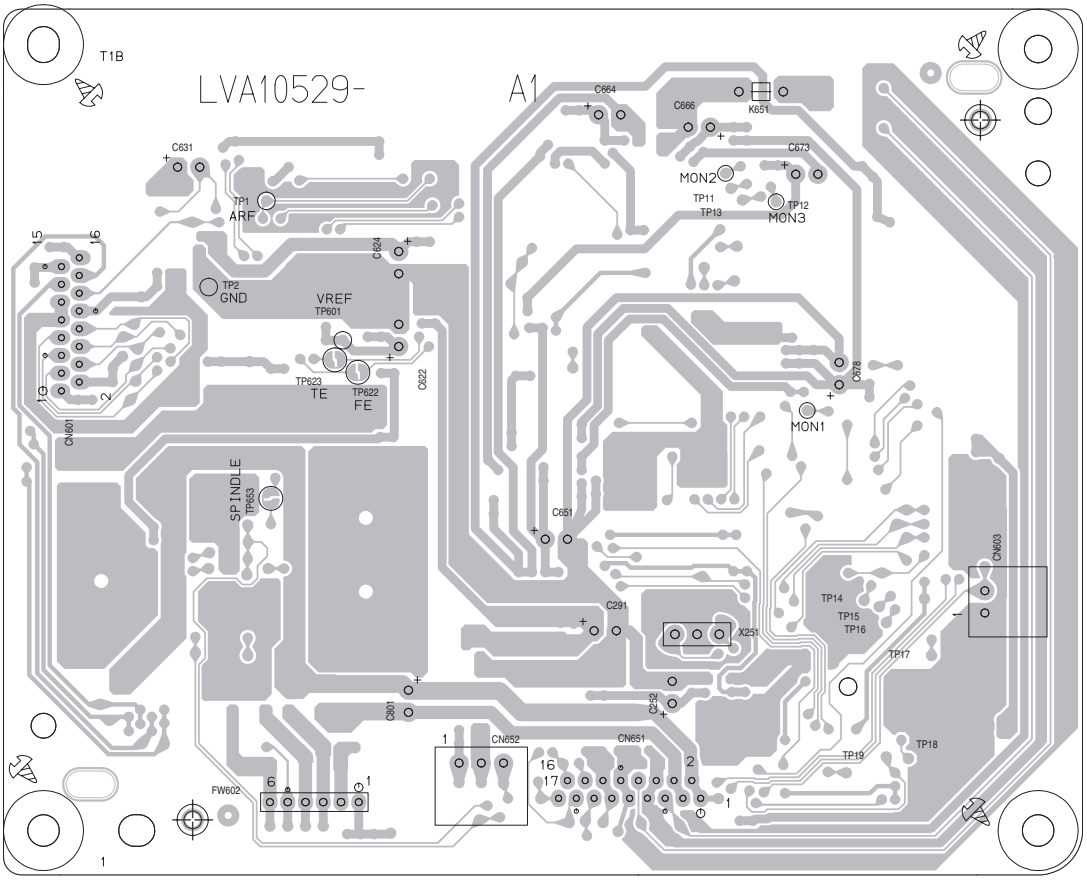
■ CD servo control board (common)

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Forward side



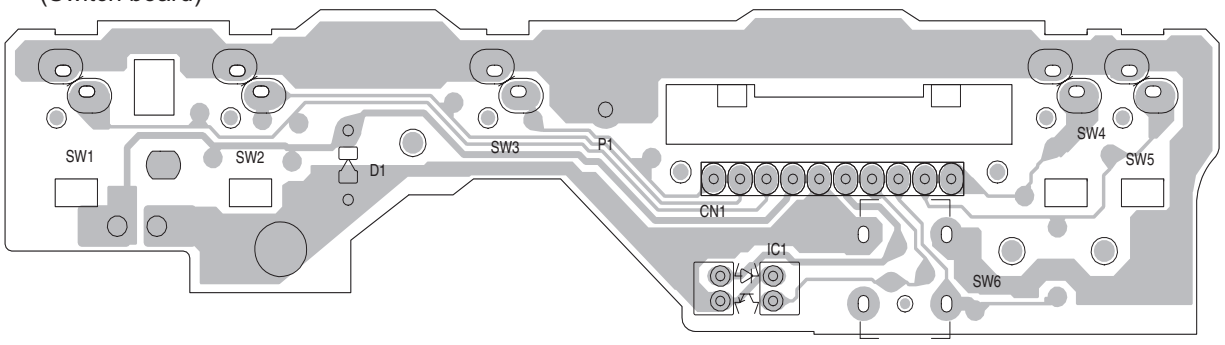
Reverse side



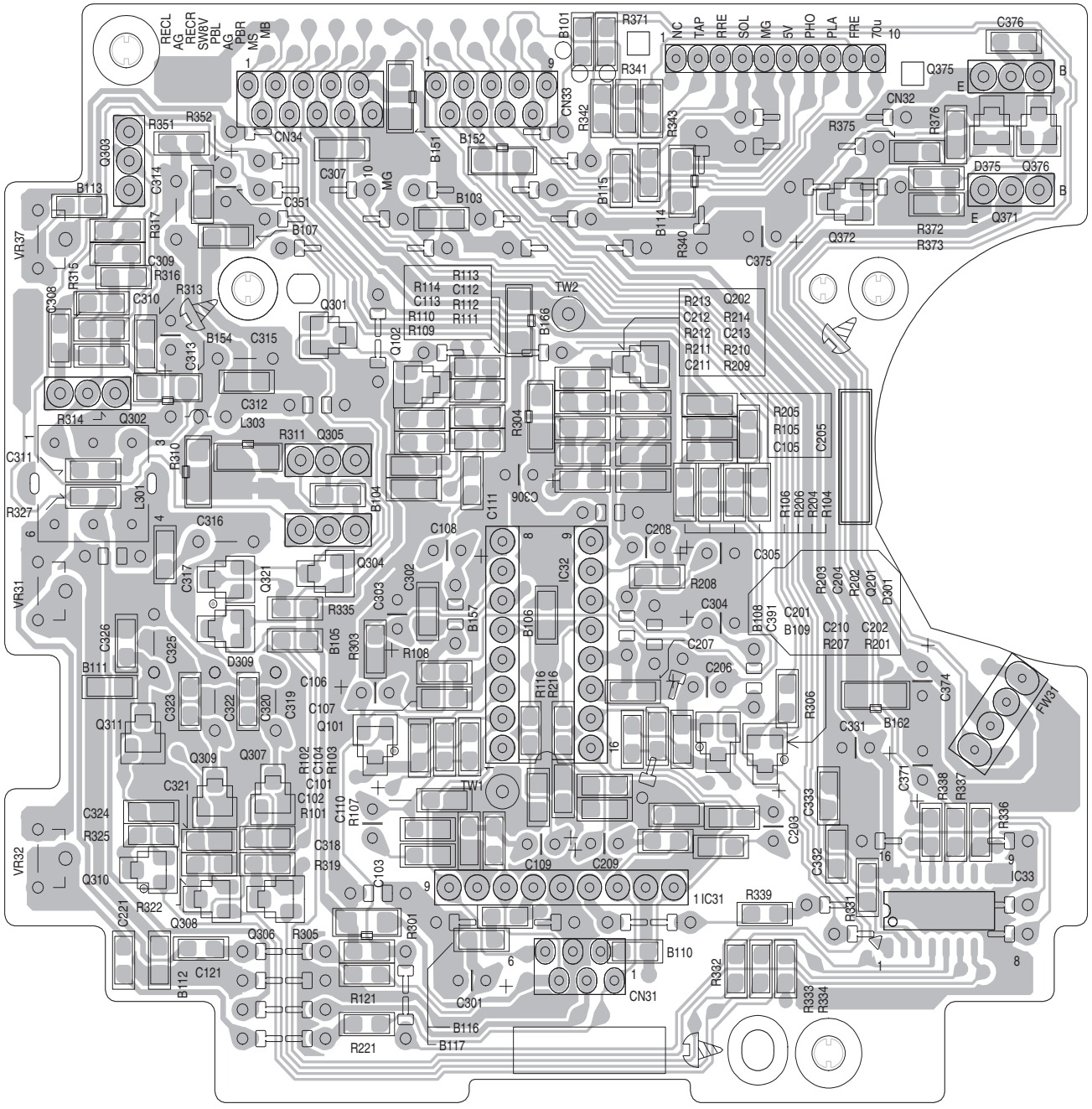
■ Cassette mechanism control board (common)

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

(Switch board)



(Head amplifier board)



JVC

Victor Company of Japan, Limited

Audio/Video Systems Category 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB519SCH)

Printed in Japan
VPT

PARTS LIST

RV-NB10BJ,RV-NB10BC,
RV-NB10BB,RV-NB10BE,RV-NB10BEN,RV-NB10BEV,
RV-NB10WJ,RV-NB10WC,
RV-NB10WB,RV-NB10WE,RV-NB10WEN

* All printed circuit boards and its assemblies are not available as service parts.

- Contents -

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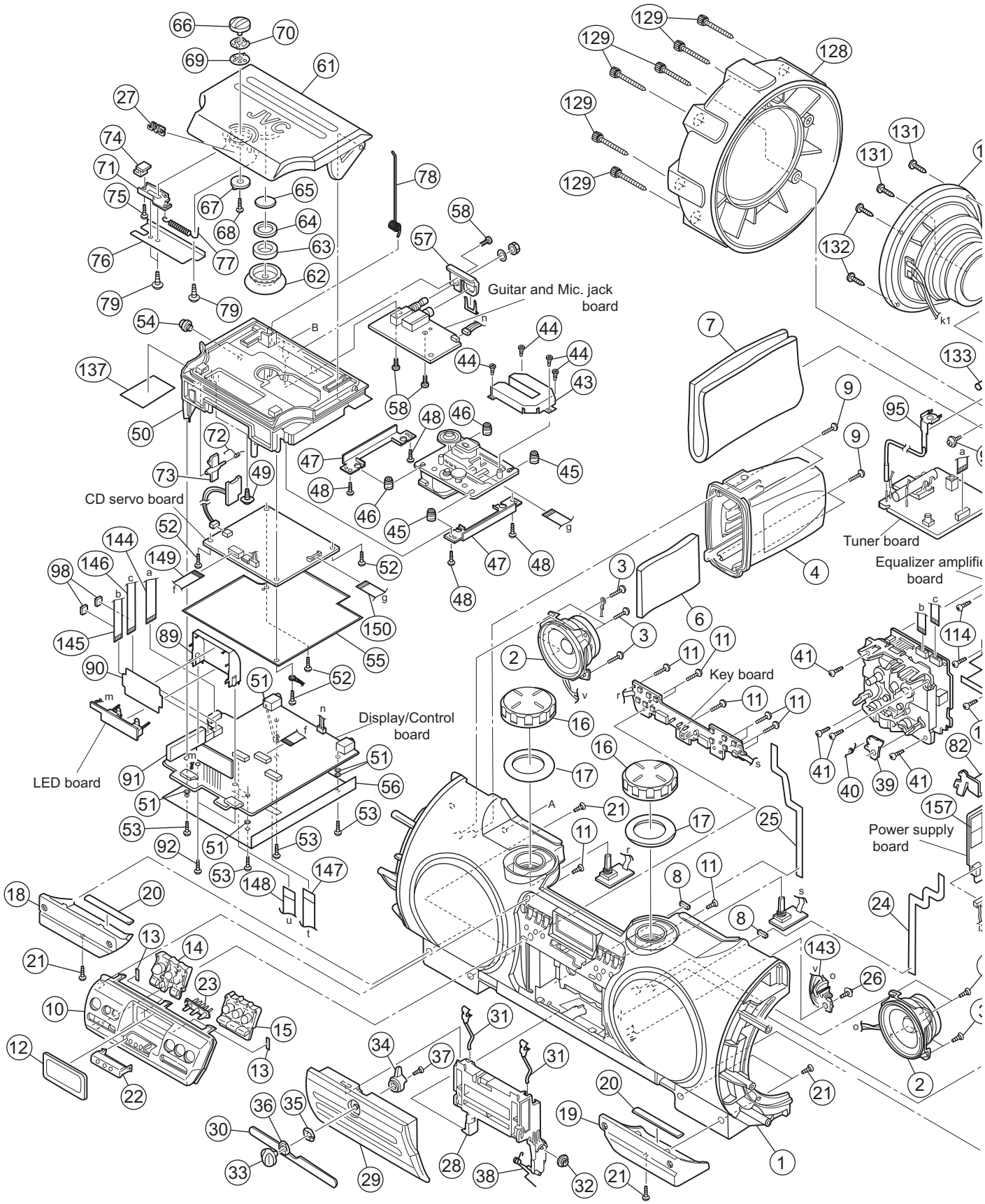
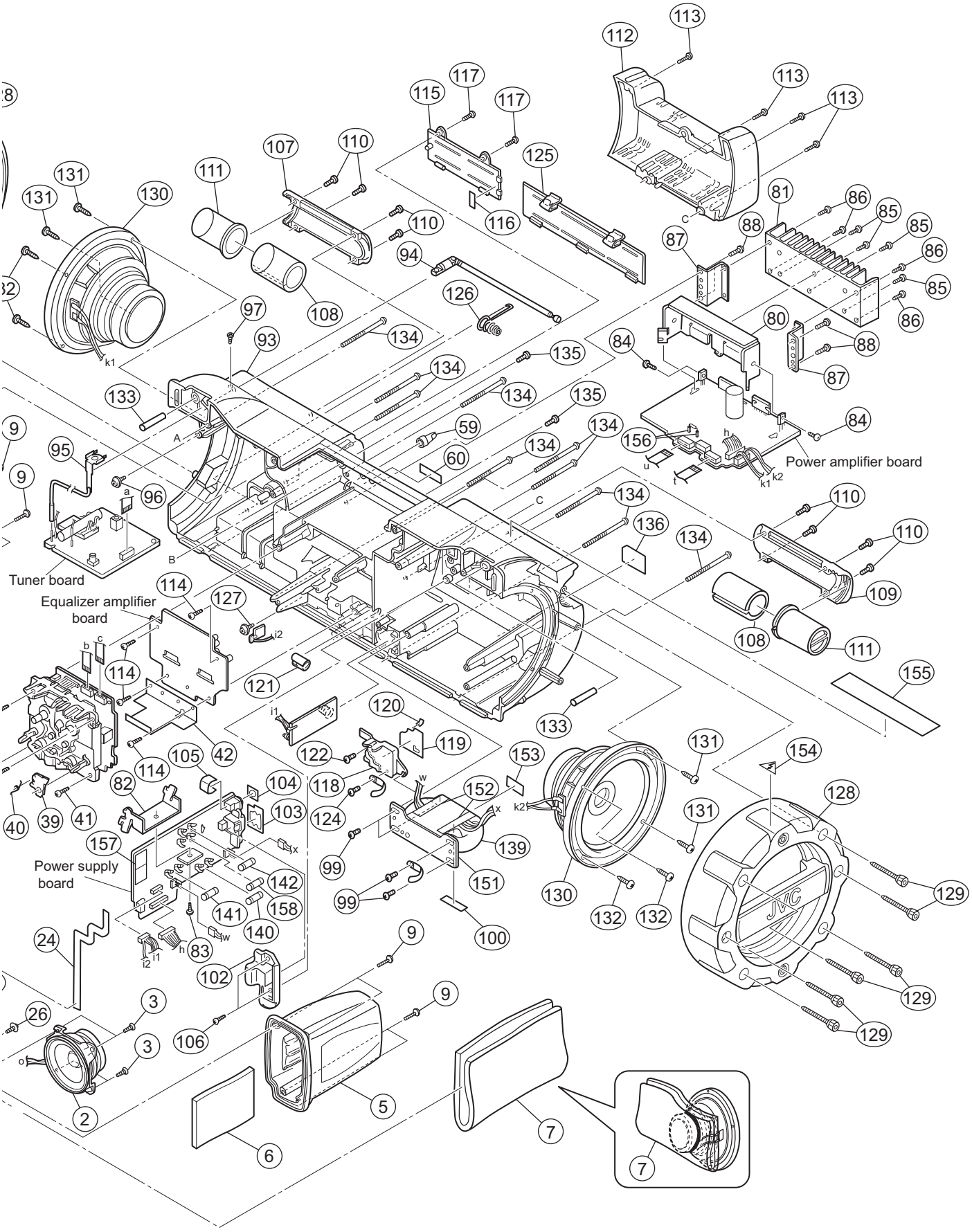
CD mechanism assembly and parts list (Block No.MB) ---------- 3- 7
Cassette mechanism assembly and parts list (Block No.MP) ---------- 3- 9
Electrical parts list (Block No.01~09) ---------- 3-11
Packing materials and accessories parts list (Block No.M3) ---------- 3-30

Exploded view of general assembly and parts list

Block No. M 1 M M




Tuner board
Equalizer amplifier board
Power supply board
Power amplifier board

General Assembly

Block No. [M][1][M][M]

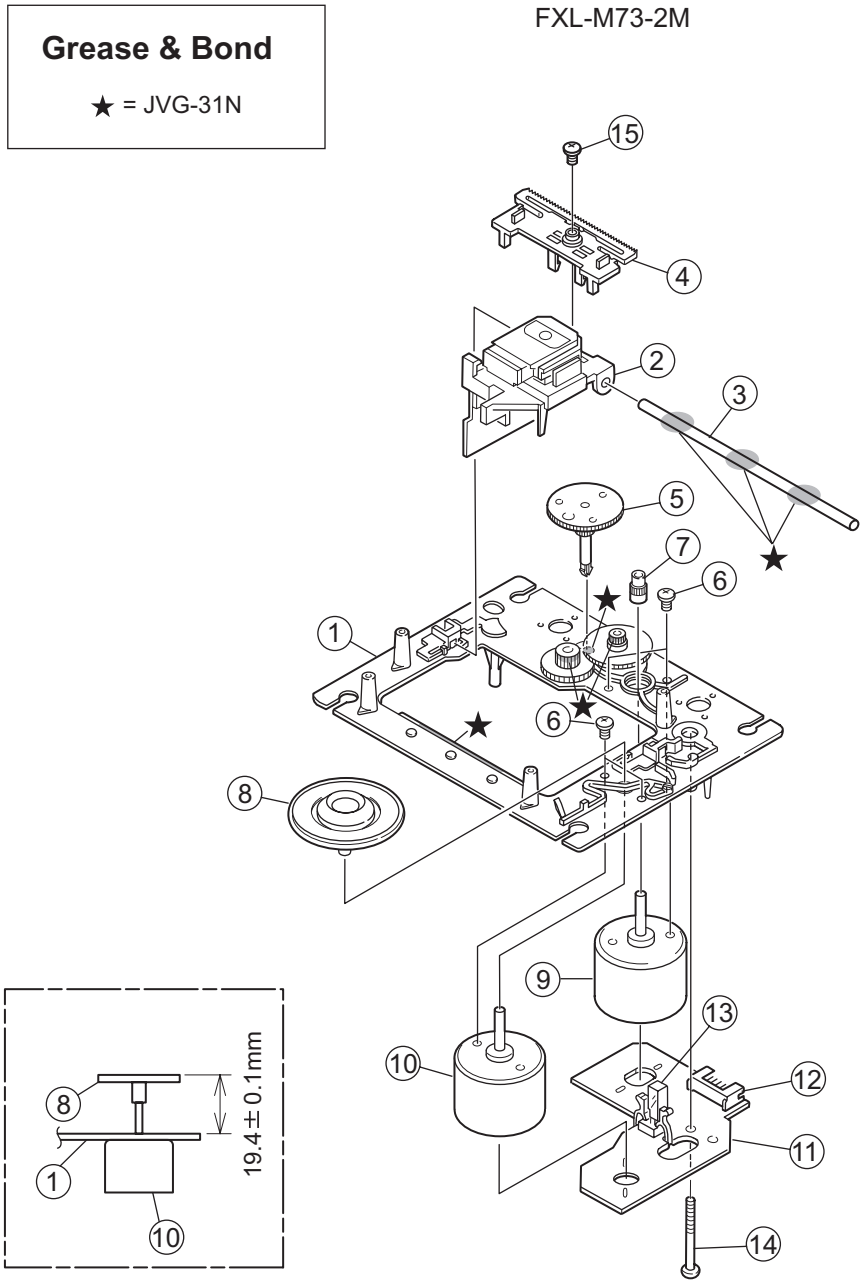
⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	VJG1500-00JUL	FRONT CABI SA		NB10BJ,NB10BC
	1	VJG1500-00K	FRONT CABI SA		NB10BB,NB10BE,NB10BEN,NB10BEV
	1	VJG1500-00LUL	FRONT CABI SA		NB10WJ,NB10WC
	1	VJG1500-00M	FRONT CABI SA		NB10WB,NB10WE,NB10WEN
	2	LE10008-024A	SPEAKER	(x2)	
	3	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x8)	
	4	VYH2280-002	CAP (L)		
	5	VYH2281-002	CAP (R)		
	6	VKZ4389-009	SOUND ABSOBER	(x2)	
	7	VKZ4805-001UL	SOUND ABSOBER	(x2)	NB10BB,NB10BE,NB10BEN,NB10BEV,NB10WB,NB10WE,NB10WEN
	8	VYSH102-097	SPACER	(x2)	
	9	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x8)	
	10	VJD2495-071	FRONT COVER(A)		NB10BJ,NB10BC
	10	VJD2495-072	FRONT COVER(A)		NB10BB,NB10BE,NB10BEN,NB10BEV
	10	VJD2495-081	FRONT COVER(A)		NB10WJ,NB10WC
	10	VJD2495-082	FRONT COVER(A)		NB10WB,NB10WE,NB10WEN
	11	QYSBSF2608ZA	TAP SCREW	M2.6 x 8mm(x10)	
	12	VJK4520-101	LCD LENS		NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	12	VJK4520-111	LCD LENS		NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	13	VYSH102-098	SPACER	(x2)	
	14	VXP3890-061	POWER BUTTON(A)		NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	14	VXP3890-011	POWER BUTTON(A)		NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	15	VXP3891-071	FUNC. BTN(A)		NB10BJ,NB10BC
	15	VXP3891-072	FUNC. BTN(A)		NB10BB,NB10BE,NB10BEN,NB10BEV
	15	VXP3891-081	FUNC. BTN(A)		NB10WJ,NB10WC
	15	VXP3891-082	FUNC. BTN(A)		NB10WB,NB10WE,NB10WEN
	16	VXL4455-061	VOL.KNOB	(x2)	NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	16	VXL4455-071	VOL.KNOB	(x2)	NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	17	VYTS539-003	VOL.SHEET	(x2)	
	18	VJF3007-061	FOOT		NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	18	VJF3007-011	FOOT		NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	19	VJF3007-062	FOOT		NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	19	VJF3007-012	FOOT		NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	20	VYSA1R6-079	SPACER	(x2)	
	21	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x6)	
	22	VJK4516-002	LENS		
	23	VJD5512-001	LED LENS		
	24	VYTH539-002	PACKING SHEET L		
	25	VYTH540-002	PACKING SHEET R		
	26	QYSBSFG3010ZA	TAP SCREW	M3 x 10mm	
	27	PQ45130-7	JVC MARK		
	28	VJT2389-041	CASSETTE HOLDER		NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	28	VJT2389-061	CASSETTE HOLDER		NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	29	VJT2390-061	DOOR COVER		NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	29	VJT2390-071	DOOR COVER		NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	30	VJT4246-091	DOOR LENS		NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	30	VJT4246-101	DOOR LENS		NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	31	VKY4180-401	CASSETTE SPRING	(x2)	
	32	VYH5601-001	GEAR		
	33	VXL4458-061	EJECT KNOB		NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	33	VXL4458-011	EJECT KNOB		NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	34	VYH8174-001	CAM(A)		
	35	VKY4736-001	PLATE SPRING(A)		
	36	VKY4737-002	PLATE SPRING(B)		
	37	QYSBSF2008ZA	TAP SCREW	M2 x 8mm	
	38	VKW5309-001	DOOR SPRING		
	39	VKL7850-303	EJECT SAFTY(R)		
	40	VKW5258-003	TORSION SPRING		
	41	QYSBSF3014ZA	TAP SCREW	M3 x 14mm(x4)	
	42	VMA4728-003	HEAD SHIELD		
	43	LV34126-002A	PICK COVER		
	44	QYSDSF2006NA	TAP SCREW	M2 x 6mm(x4)	
	45	FMYH4003-003	INSULATOR	(x2)	
	46	FMYH4003-004	INSULATOR	(x2)	
	47	VYH7815-001	CD MECHA HOLDER	(x2)	
	48	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x4)	
	49	E65923-009	TAPPING SCREW		
	50	LV10179-002A	CD CASE		NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	50	LV10179-005A	CD CASE		NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	51	LV30226-039A	SPACER	(x6)	NB10BB,NB10BE,NB10BEN,NB10BEV,NB10WB,NB10WE,NB10WEN
	52	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x4)	
	53	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x4)	
	54	VYH4769-002SS	GEAR		
	55	LV35863-001A	SHIELD A		NB10BB,NB10BE,NB10BEN,NB10BEV,NB10WB,NB10WE,NB10WEN

⚠	Symbol No.	Part No.	Part Name	Description	Local
	56	LV35864-001A	SHIELD B		NB10BB,NB10BE,NB10BEN,NB10BEV,NB10WB,NB10WE,NB10WEN
	57	LV40779-001A	BRACKET		
	58	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x3)	
	59	LV40759-001A	KNOB		
	60	LV40760-001A	MIC PLATE		
	61	VJT1060-071	CD DOOR		NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	61	VJT1060-081	CD DOOR		NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	62	LV35263-001A	CLAMPER		
	63	LV42929-001A	P.C.MAGNET		
	64	VYH7314-001	YOKE		
	65	LV43667-001A	CLAMPER WEIGHT		
	66	VXL4458-061	EJECT KNOB		NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	66	VXL4458-011	EJECT KNOB		NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	67	VYH8197-001	CAM(B)		
	68	QYSBSF2008ZA	TAP SCREW	M2 x 8mm	
	69	VKY4736-001	PLATE SPRING(A)		
	70	VKY4737-002	PLATE SPRING(B)		
	71	VYH8178-001	SLIDER(B)		
	72	VKW5334-001	SWITCH SPRING		
	73	VYH8204-001	SWITCH LEVER		
	74	VYH8205-001	LOCK		
	75	QYSDSF2606MA	TAP SCREW	M2.6 x 6mm	
	76	VYH8176-003	COVER		
	77	VKW5352-001	TENSION SPRING		
	78	VKW5335-002	CD DOOR SPRING		
	79	VKZ4794-003	SPECIAL SCREW	(x3)	
	80	VMH3021-001	HEAT SINK		
	81	VYH3892-005	HEAT SINK		
	82	VMH4055-002	HEAT SINK		
	83	QYSBSF3010ZA	TAP SCREW	M3 x 10mm	
	84	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x2)	
	85	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x4)	
	86	QYSBST3008ZA	TAP SCREW	M3 x 8mm(x4)	
	87	VYH8188-002	BRACKET	(x2)	
	88	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x4)	
	89	LV35225-001A	LCD HOLDER		
	90	LV43895-001A	SHEET		
	91	LV43896-001A	LED HOLDER		
	92	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm(x2)	
	93	VJG1502-081UL	REAR CABI		NB10BJ,NB10BC
	93	VJG1502-082	REAR CABI		NB10BB,NB10BE,NB10BEN,NB10BEV
	93	VJG1502-091UL	REAR CABI		NB10WJ,NB10WC
	93	VJG1502-092	REAR CABI		NB10WB,NB10WE,NB10WEN
	94	QZW0152-001	ROD ANTENNA		
	95	VYH5012-005	TERMINAL LUG		
	96	E65923-009	TAPPING SCREW		
	97	QYSDSP3012NA	SCREW	M3 x 12mm	
	98	VYSH101-009	SPACER	(x2)	
	99	QYSBSF4012ZA	TAP SCREW	M4 x 12mm(x4)	
	100	VYSH101-028	SPACER		
	102	VYH8179-004	JACK HOLDER		NB10BJ,NB10BC,NB10WJ,NB10WC
	102	VYH8179-005	JACK HOLDER		NB10BB,NB10BE,NB10BEN,NB10BEV,NB10WB,NB10WE,NB10WEN
	103	VYTH543-001	SHEET(AC)		
	104	VYTH544-001	SHEET(DC)		
	105	VYSA1R6-080	SPACER		
	106	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x2)	
	107	VJD2503-061UL	DUCT		NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	107	VJD2503-071UL	DUCT		NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	108	VKZ4796-003	SOUND ABSOBER	(x2)	
	109	VJD2503-062UL	DUCT		NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	109	VJD2503-072UL	DUCT		NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	110	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x8)	
	111	VJD5510-061	DUCT CAP	(x2)	NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	111	VJD5510-011	DUCT CAP	(x2)	NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	112	VJD1230-043UL	GRILLE		NB10BJ,NB10BC
	112	VJD1230-042UL	GRILLE		NB10BB,NB10BE,NB10BEN,NB10BEV
	112	VJD1230-071UL	GRILLE		NB10WJ,NB10WC
	112	VJD1230-072UL	GRILLE		NB10WB,NB10WE,NB10WEN
	113	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x4)	
	114	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x4)	
	115	VJE3036-041	BATT.LID		NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	115	VJE3036-071	BATT.LID		NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	116	VYSA1R4-056	SPACER		
	117	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x2)	
	118	VYH8199-041	COVER		NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	118	VYH8199-071	COVER		NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	119	VYTH542-001	SHEET(COVER)		
	120	VYSH101-029	SPACER		

⚠	Symbol No.	Part No.	Part Name	Description	Local
	121	VYSH101-027	SPACER		
	122	QYSBSF3010ZA	TAP SCREW	M3 x 10mm	
	124	QYSBSF3010ZA	TAP SCREW	M3 x 10mm	
	125	VJC2603-041	BATTERY COVER		NB10BJ,NB10BC,NB10BB,NB10BE,NB10BEN,NB10BEV
	125	VJC2603-071	BATTERY COVER		NB10WJ,NB10WC,NB10WB,NB10WE,NB10WEN
	126	VYH5657-001	BATTERY SPRING		
	127	E65923-009	TAPPING SCREW		
	128	VJD1233-00JUL	SIDE PROTECT.AS	(x2)	NB10BJ,NB10BC
	128	VJD1233-00M	SIDE PROTECT.AS	(x2)	NB10BB,NB10BE,NB10BEN,NB10BEV
	128	VJD1233-00KUL	SIDE PROTECT.AS	(x2)	NB10WJ,NB10WC
	128	VJD1233-00N	SIDE PROTECT.AS	(x2)	NB10WB,NB10WE,NB10WEN
	129	VKZ4795-012	SPECIAL SCREW	(x12)	
	130	LE10016-057A	SPEAKER	(x2)	
	131	QYSBSF4012ZA	TAP SCREW	M4 x 12mm(x4)	
	132	QYSBSF4012ZA	TAP SCREW	M4 x 12mm(x4)	
	133	VKH3012-073	SHAFT(E)	(x2)	
	134	QYSBSF3035ZA	TAP SCREW	M3 x 35mm(x10)	
	135	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x2)	
	136	LV36890-001A	RATING LABEL		NB10BJ,NB10BC
	136	LV36890-002A	RATING LABEL		NB10BB,NB10BE,NB10BEN
	136	LV36890-003A	RATING LABEL		NB10BEV
	136	LV36891-001A	RATING LABEL		NB10WJ,NB10WC
	136	LV36891-002A	RATING LABEL		NB10WB,NB10WE,NB10WEN
	137	LV42035-002A	LASER CAUTION		
⚠	139	QQT0508-002	POWER TRANSF	T1901	NB10BJ,NB10BC,NB10WJ,NB10WC
⚠	139	QQT0508-001	POWER TRANSF	T1901	NB10BB,NB10BE,NB10BEN,NB10BEV,NB10WB,NB10WE,NB10WEN
⚠	140	QMF51U2-1R25-J8	FUSE	F1901 1.25A AC250V	NB10BJ,NB10BC,NB10WJ,NB10WC
⚠	140	QMF51W2-R63-J8	FUSE	F1901 0.63A AC250V	NB10BB,NB10BE,NB10BEN,NB10BEV,NB10WB,NB10WE,NB10WEN
⚠	141	QMF51U1-8R0-J8	FUSE	F1902 8A AC125V	NB10BJ,NB10BC,NB10WJ,NB10WC
⚠	141	QMFZ031-8R0-J1	FUSE	F1902 8A	NB10BB,NB10BE,NB10BEN,NB10BEV,NB10WB,NB10WE,NB10WEN
⚠	142	QMF51U1-6R3-J8	FUSE	F1904 6.3A AC125V	NB10BJ,NB10BC,NB10WJ,NB10WC
⚠	142	QMF51W2-6R3-J8	FUSE	F1904 6.3A AC250V	NB10BB,NB10BE,NB10BEN,NB10BEV,NB10WB,NB10WE,NB10WEN
	143	WJJ0002-001A-E	E-SI C WIRE C-C		
	144	QUQQ12-0912CJ-E	FFC WIRE	9pin 12cm	
	145	QUQQ12-0916CJ-E	FFC WIRE	9pin 16cm	
	146	QUQQ12-1018CJ-E	FFC WIRE	10pin 18cm	
	147	QUQQ12-1310CJ-E	FFC WIRE	13pin 10cm	
	148	QUQQ12-1310CJ-E	FFC WIRE	13pin 10cm	
	149	QUQW10-1712AJ-E	FFC WIRE	17pin 12cm	
	150	QUQW10-1607AJ-E	FFC WIRE	16pin 7cm	
	151	VYK3023-001	SHIELD		NB10BJ,NB10BC,NB10WJ,NB10WC
	152	VYSA1R6-079	SPACER	(x2)	NB10BJ,NB10BC,NB10WJ,NB10WC
	153	LV30225-0X7A	SPACER		NB10BJ,NB10BC,NB10WJ,NB10WC
	154	VND4113-001	G.CAUTION		NB10BJ,NB10BC,NB10WJ,NB10WC
	155	LV43835-001A	EMC LABEL		NB10BJ,NB10BC,NB10WJ,NB10WC
	156	QXTG109-010	GLASS TUBE	(x2)	NB10BJ,NB10BC,NB10WJ,NB10WC
	157	LV43517-001A	FUSE CAUTION		NB10BJ,NB10BC,NB10WJ,NB10WC
⚠	158	QMF51U1-6R3-J8	FUSE	F1903 6.3A AC125V	NB10BJ,NB10BC,NB10WJ,NB10WC

CD mechanism assembly and parts list

Block No. M B M M



The parts without symbol number are not service.

CD mechanism

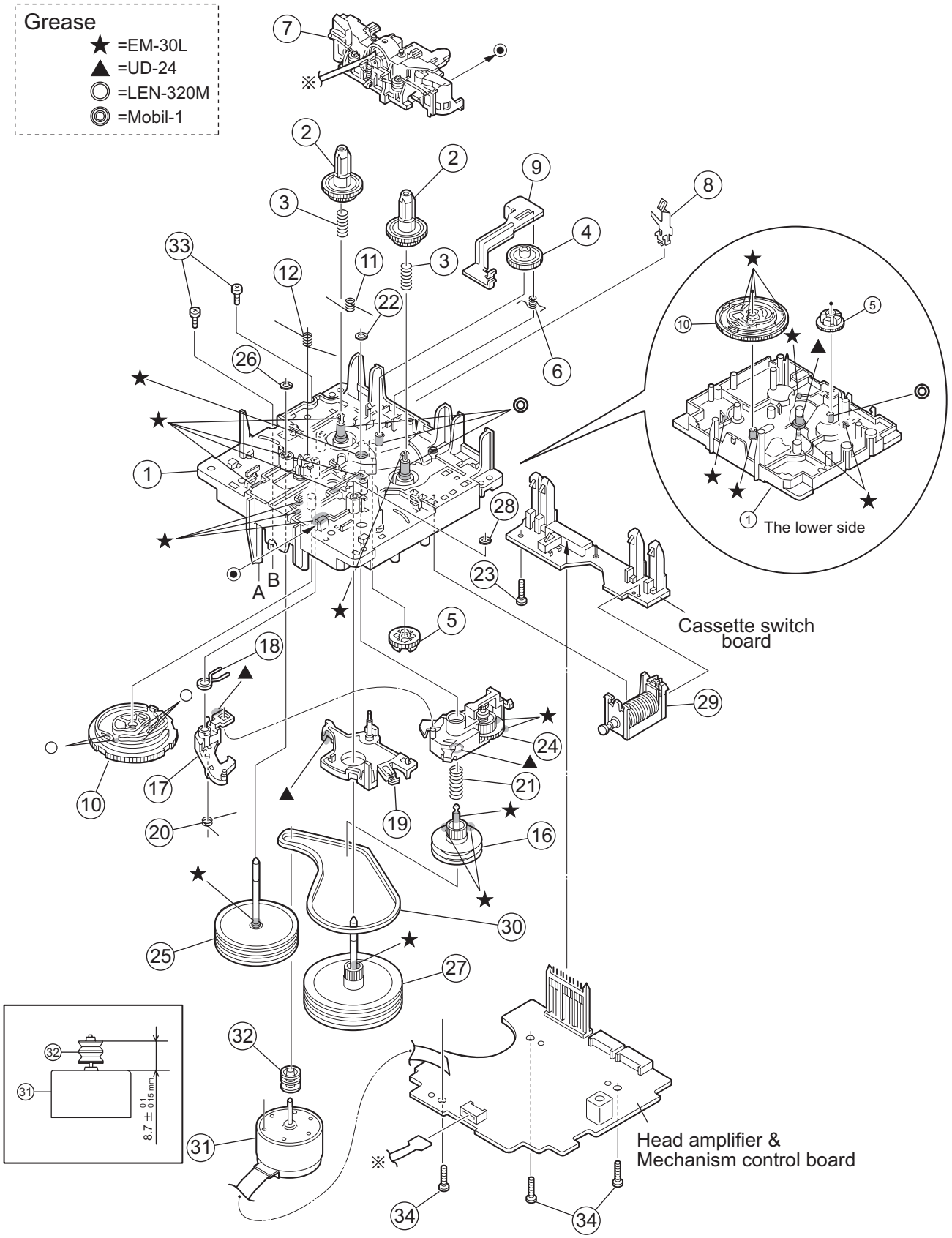
Block No. [M][B][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	LV10723-002A	CD MECHA BASE A		
	2	OPTIMA-73B2	CD PICK		
	3	E406777-002SM	C.D SHAFT		
	4	LV31002-001A	CD RACK		
	5	E307745-441SM	C.D GEAR 3		
	6	QYSDSP2003N	SCREW	M2 x 3mm(x4)	
	7	E406750-442SM	PINION		
	8	LV43119-002A	T.T PACKING		
	9	QAR0253-001	FEED MOTOR		
	10	QAR0130-001	SP MOTOR		
	11	EMW10190-441	CIR BOARD		
	12	QGA2001F1-06	CONNECTOR	W-B (1-6)	
	13	QSW0506-001	LEAF SWITCH		
	14	E75832-221SS	SPECIAL SCREW		
	15	QYSDSF2006Z	SCREW	M2 x 6mm	

Cassette mechanism assembly and parts list

Block No. M P M M

SLC-S41M



The parts without symbol number are not service.

Cassette mechanism

Block No. [M][P][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	1	VKS1165-00N	CHASSIS B. ASSY		
	2	VKS2274-002	REEL GEAR	(x2)	
	3	VKW5286-002	B.T. SPRING	(x2)	
	4	VKS5559-001	PLAY IDLE GEAR		
	5	VKS5595-002	BLIND		
	6	LV42013-001A	EARTH SPRING		
	7	SLC-RP1SVM	HEAD MOUNT ASSY		
	8	VKY3149-002	CASSETTE SP.		
	9	VKM3906-004	PLAY SW.LEVER		
	10	VKS1166-003	CONTROL CAM		
	11	VKW5279-002	HEAD BASE SP(R)		
	12	VKW5280-001	HEAD BASE SP(L)		
	16	VKS5603-00H	MAIN PULLEY ASY		
	17	VKS3785-001MM	FR ARM		
	18	VKW5284-002	SWING SPRING		
	19	VKS2278-003	TRIGGER ARM		
	20	VKW5301-001	FR SPRING		
	21	VKW5266-001	ELEVATOR SPRING		
	22	WDL214035-2	SLIT WASHER		
	23	QYSBSF2005ZA	TAP SCREW	M2 x 5mm	
	24	VKS3786-00G	CLUTCH ASSY		
	25	VKF3205-00B	F.WHEEL ASSY(R)		
	26	WDL183425	SLIT WASHER		
	27	VKF3207-00C	F.WHEEL ASSY(L)		
	28	WDL173525-6	SLIT WASHER		
	29	VKZ3174-00A	DC SOLENOID		
	30	LV42836-001A	CAPSTAN BELT		
	31	QAR0309-001	D.C.MOTOR		
	32	VKR4761-003	MOTOR PULLEY		
	33	QYSPSP2604ZA	SCREW	M2.6 x 4mm(x2)	
	34	QYSBSF2608ZA	TAP SCREW	M2.6 x 8mm(x3)	

Electrical parts list

Main board (J,C ver.)

Block No. [0][1]

⚠ Symbol No.	Part No.	Part Name	Description	Local
⚠ IC301	TA8233BH	IC		
⚠ IC390	KIA78DL06PI	IC		
⚠ IC601	TA8223K	IC		
IC701	BA15218N	IC		
IC702	BA15218N	IC		
IC703	BA15218N	IC		
IC704	BA15218N	IC		
IC801	BA15218N	IC		
Q3191	KRA110M-T	TRANSISTOR		
⚠ Q3192	2SA1359/OY/	TRANSISTOR		
Q3193	KRA111M-T	DIGI TRANSISTOR		
Q3194	KTC3199/GL/-T	TRANSISTOR		
Q3195	KTA1267/YG/-T	TRANSISTOR		
⚠ Q3196	KTA1023/OY/-T	TRANSISTOR		
Q3197	KTC3199/GL/-T	TRANSISTOR		
Q3198	KRC111M-T	TRANSISTOR		
Q3301	KTA1267/YG/-T	TRANSISTOR		
⚠ Q3302	2SA1359/OY/	TRANSISTOR		
Q3303	KRA114M-T	DIGI TRANSISTOR		
Q3304	KRC114M-T	TRANSISTOR		
Q3305	KTC3199/GL/-T	TRANSISTOR		
Q3306	KTC3199/GL/-T	TRANSISTOR		
Q3491	KTA1267/YG/-T	TRANSISTOR		
⚠ Q3492	KTA1046/Y/	TRANSISTOR *		
Q3493	KRA114M-T	DIGI TRANSISTOR		
Q3494	KRC114M-T	TRANSISTOR		
Q3495	KTC3199/GL/-T	TRANSISTOR		
Q3496	KTC3199/GL/-T	TRANSISTOR		
Q6101	KTC3203/OY/-T	TRANSISTOR		
Q6201	KTC3203/OY/-T	TRANSISTOR		
Q6301	2SA952/LK/-T	TRANSISTOR		
Q6302	KTC3199/GL/-T	TRANSISTOR		
Q6303	KRA102M-T	DIGI TRANSISTOR		
Q6304	KTC3203/OY/-T	TRANSISTOR		
Q6305	KRC102M-T	DIGI TRANSISTOR		
Q6306	KRC102M-T	DIGI TRANSISTOR		
Q6307	KRC102M-T	DIGI TRANSISTOR		
Q6308	KRC102M-T	DIGI TRANSISTOR		
Q7301	KTC3199/GL/-T	TRANSISTOR		
Q7302	KTC3199/GL/-T	TRANSISTOR		
Q7303	2SK301/R/-T	JUNCTION FET		
Q8101	KTC3199/GL/-T	TRANSISTOR		
Q8201	KTC3199/GL/-T	TRANSISTOR		
D8	SVC344-T	VARI CAP		
⚠ D1901	TS6P05G-07	SI DIODE		
D1902	6A10E2	SI DIODE		
D3191	1SS133-T2	SI DIODE		
D3192	MTZJ7.5A-T2	Z DIODE		
D3193	SRT14	DIODE		
D3194	MTZJ7.5A-T2	Z DIODE		
D3195	1SS133-T2	SI DIODE		
D3196	1SS133-T2	SI DIODE		
D3301	1SS133-T2	SI DIODE		
D3302	MTZJ9.1A-T2	Z DIODE		
D3491	1SS133-T2	SI DIODE		
D3492	MTZJ9.1A-T2	Z DIODE		
D3493	1SS133-T2	SI DIODE		
D3901	MTZJ8.2B-T2	Z DIODE		
D6301	1SS133-T2	SI DIODE		
D6302	1SS133-T2	SI DIODE		
D6304	1SS133-T2	SI DIODE		
D7301	1SS133-T2	SI DIODE		
D7302	1SS133-T2	SI DIODE		
D7303	1SS133-T2	SI DIODE		
D7304	1SS133-T2	SI DIODE		
D7305	1SS133-T2	SI DIODE		
D7306	1SS133-T2	SI DIODE		
D7307	MTZJ4.3B-T2	Z DIODE		

⚠ Symbol No.	Part No.	Part Name	Description	Local
D8301	MTZJ4.3B-T2	Z DIODE		
⚠ C1901	QFLC1HJ-683Z	M CAPACITOR	0.068uF 50V J	
⚠ C1902	QFLC1HJ-683Z	M CAPACITOR	0.068uF 50V J	
⚠ C1903	QFLC1HJ-683Z	M CAPACITOR	0.068uF 50V J	
⚠ C1904	QFLC1HJ-683Z	M CAPACITOR	0.068uF 50V J	
C3191	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3192	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C3193	QCBB1HK-101Y	C CAPACITOR	100pF 50V K	
C3194	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C3301	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C3302	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C3303	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3491	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C3492	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C3493	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3901	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3902	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C5308	QER61HM-474Z	E CAPACITOR	0.47uF 50V M	
C6101	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C6102	QCBB1HK-151Y	C CAPACITOR	150pF 50V K	
C6103	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C6104	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6105	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6106	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C6107	QTE1V06-226Z	E CAPACITOR	22uF 35V	
C6201	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C6202	QCBB1HK-151Y	C CAPACITOR	150pF 50V K	
C6203	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C6204	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6205	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6206	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C6207	QTE1V06-226Z	E CAPACITOR	22uF 35V	
C6301	QETN1EM-227Z	E CAPACITOR	220uF 25V M	
C6302	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6303	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6304	QFVF1HJ-154Z	MF CAPACITOR	0.15uF 50V J	
C6305	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6306	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C6307	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6308	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C6309	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C6310	QCBB1HK-101Y	C CAPACITOR	100pF 50V K	
C6311	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6312	QETN1EM-227Z	E CAPACITOR	220uF 25V M	
C6313	QCBB1HK-101Y	C CAPACITOR	100pF 50V K	
C6314	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
⚠ C6315	QETM1EM-688	E CAPACITOR	6800uF 25V M	
C6316	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6317	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6318	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6319	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6320	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6321	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7301	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C7302	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C7303	QCSB1HK-3R3Y	C CAPACITOR	3.3pF 50V K	
C7305	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7306	QFVF1HJ-274Z	MF CAPACITOR	0.27uF 50V J	
C7307	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7308	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C7309	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C7310	QFLC1HJ-153Z	M CAPACITOR	0.015uF 50V J	
C7311	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7312	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7313	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7314	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C7316	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7317	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C7318	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C7319	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C7320	QFLC1HJ-393Z	M CAPACITOR	0.039uF 50V J	
C7321	QFVF1HJ-154Z	MF CAPACITOR	0.15uF 50V J	
C7322	QER61HM-105Z	E CAPACITOR	1uF 50V M	
C7323	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7324	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C8101	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C8102	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C8103	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C8201	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C8202	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C8203	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C8301	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C8303	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C8322	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
TC2	QAT3725-200Z	TRIM CAPACITOR	20pF	
R37	QRE141J-560Y	C RESISTOR	56Ω 1/4W J	
R64	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R1901	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3191	QRE141J-1R5Y	C RESISTOR	1.5Ω 1/4W J	
R3192	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
R3193	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R3194	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3195	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R3196	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3197	QAD0015-153Z	THERMISTOR	15kΩ	
R3198	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3199	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3200	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R3201	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
R3202	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
R3203	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3204	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R3301	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R3302	QRE141J-1R0Y	C RESISTOR	1Ω 1/4W J	
R3303	QRE141J-1R0Y	C RESISTOR	1Ω 1/4W J	
R3304	QRE141J-1R0Y	C RESISTOR	1Ω 1/4W J	
R3305	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R3306	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R3307	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3308	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R3309	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R3310	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R3311	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R3312	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3313	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R3314	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R3315	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3316	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3491	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R3492	QRE141J-1R0Y	C RESISTOR	1Ω 1/4W J	
R3493	QRE141J-1R0Y	C RESISTOR	1Ω 1/4W J	
R3494	QRE141J-1R0Y	C RESISTOR	1Ω 1/4W J	
R3495	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R3496	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R3497	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3498	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R3499	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R3500	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R3501	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R3502	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3503	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R3504	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R3505	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3506	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3507	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R3508	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R3901	QRE141J-5R6	C RESISTOR	5.6Ω 1/4W J	
R5107	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R5207	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R6101	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R6102	QRE141J-121Y	C RESISTOR	120Ω 1/4W J	
R6103	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R6104	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R6105	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R6201	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R6202	QRE141J-121Y	C RESISTOR	120Ω 1/4W J	
R6203	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R6204	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R6205	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R6301	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R6302	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R6303	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J	
R6304	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R6305	QRE141J-622Y	C RESISTOR	6.2kΩ 1/4W J	
R6306	QRE141J-182Y	C RESISTOR	1.8kΩ 1/4W J	
R6307	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R6308	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R6309	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R6310	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R6311	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R6312	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R6313	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R6314	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R6315	QRE141J-224Y	C RESISTOR	220kΩ 1/4W J	
R6316	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R6317	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R6318	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R6319	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R6320	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R6321	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R6322	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R6325	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R7301	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R7303	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7305	QRE141J-224Y	C RESISTOR	220kΩ 1/4W J	
R7307	QRE141J-394Y	C RESISTOR	390kΩ 1/4W J	
R7308	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R7309	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R7310	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7311	QRE141J-184Y	C RESISTOR	180kΩ 1/4W J	
R7312	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R7313	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R7314	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R7316	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R7317	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R7318	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7319	QRE141J-202Y	C RESISTOR	2kΩ 1/4W J	
R7320	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R7321	QRE141J-224Y	C RESISTOR	220kΩ 1/4W J	
R7322	QRE141J-563Y	C RESISTOR	56kΩ 1/4W J	
R7323	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R7324	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7325	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7326	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R7327	QRE141J-105Y	C RESISTOR	1MΩ 1/4W J	
R7328	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R7329	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R7330	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J	
R7331	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R7332	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7333	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R7334	QRE141J-243Y	C RESISTOR	24kΩ 1/4W J	
R7336	QRE141J-243Y	C RESISTOR	24kΩ 1/4W J	
R7338	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J	
R7339	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R7341	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R7342	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R7343	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7344	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R8101	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R8102	QRE141J-272Y	C RESISTOR	2.7kΩ 1/4W J	
R8103	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J	
R8104	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R8105	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R8107	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R8111	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R8201	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R8202	QRE141J-272Y	C RESISTOR	2.7kΩ 1/4W J	
R8203	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J	
R8204	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R8205	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R8207	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R8211	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R8301	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R8302	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J	
R8321	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R8327	QRE141J-224Y	C RESISTOR	220kΩ 1/4W J	
L1	QQR0772-001	OSC COIL		
L4	QQR0723-001	OSC COIL		

⚠ Symbol No.	Part No.	Part Name	Description	Local
L3191	QQL28AK-101	CHOKE COIL	100uH K	
BP1	QQR0768-001Z	BP FILTER		
BS1	VYH5483-001	SPRING		
BS2	VYH7199-001	BATT.SPRING		
CF1	QAX0403-001	C FILTER		
CN1	QGF1205C2-09	CONNECTOR	FFC/FPC (1-9)	
CN191	QGA2501C1-09	CONNECTOR	W-B (1-9)	
CN192	QGB2501K1-04	CONNECTOR	B-B (1-4)	
CN193	QGA2501C1-05	CONNECTOR	W-B (1-5)	
CN194	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN195	QGA3901C1-02	CONNECTOR	W-B (1-2)	
CN601	QGF1205F2-13	CONNECTOR	FFC/FPC (1-13)	
CN602	QGF1205F2-13	CONNECTOR	FFC/FPC (1-13)	
CN603	QGB1214K1-10S	CONNECTOR	B-B (1-10)	
CN604	QGB1214J1-10S	CONNECTOR	B-B (1-10)	
FW601	WJK0002-001A-E	E-SI C WIRE C-B		
FW602	WJK0004-001A-E	E-SI C WIRE C-B		
FW603	WJK0003-001A-E	001A C WIRE C-B		
⚠ J1901	QNC0004-001	AC SOCKET		
J1902	QNA0016-001	DC JACK		
TP1	QNZ0104-001	POST PIN		
TP2	QNZ0104-001	POST PIN		
WC1	QZW0007-001	POST PIN		
⚠ Z1901	QNG0020-001Z	FUSE CLIP I.M		
⚠ Z1902	QNG0020-001Z	FUSE CLIP I.M		
⚠ Z1903	QNG0020-001Z	FUSE CLIP I.M		
⚠ Z1904	QNG0020-001Z	FUSE CLIP I.M		
⚠ Z1911	QNG0020-001Z	FUSE CLIP I.M		
⚠ Z1922	QNG0020-001Z	FUSE CLIP I.M		
⚠ Z1933	QNG0020-001Z	FUSE CLIP I.M		
⚠ Z1944	QNG0020-001Z	FUSE CLIP I.M		

Micon board (J,C ver.)

Block No. [0][2]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC401	NJM4565M-WE	IC		
IC501	BH3852S	IC		
IC551	PQ033ES3MX-T	IC		
IC603	NJM4565M-WE	IC		
IC751	NJM4565M-WE	IC		
IC752	NJM4565M-WE	IC		
IC831	NJM4565M-WE	IC		
IC901	MN101C49GPY	IC(MCU)MASK		
IC902	PST9131N-X	IC		
IC903	GP1UM281XKVF	IR DETECT UNIT		
IC904	BR24L02F-W-X	IC		
Q2501	RT1P242C-X	TRANSISTOR		
Q2501 or	KRA108S-X	TRANSISTOR		
Q2502	2SC3928A/RS/-X	TRANSISTOR		
Q2502 or	2SD601A/R/-X	TRANSISTOR		
Q2503	2SC3928A/RS/-X	TRANSISTOR		
Q2503 or	2SD601A/R/-X	TRANSISTOR		
Q2504	RT1N440C-X	TRANSISTOR		
Q2504 or	KRC114S-X	TRANSISTOR		
Q2505	RT1P430C-X	TRANSISTOR		
Q2505 or	KRA110S-X	TRANSISTOR		
Q3361	2SA1530A/QR/-X	TRANSISTOR		
⚠ Q3361 or	2SB709A/QR/-X	TRANSISTOR		
Q3362	2SC3928A/RS/-X	TRANSISTOR		
Q3362 or	2SD601A/R/-X	TRANSISTOR		
Q3571	2SB624/4/-X	TRANSISTOR		
Q3572	2SC3928A/RS/-X	TRANSISTOR		
Q3572 or	2SD601A/R/-X	TRANSISTOR		
Q3671	2SB624/4/-X	TRANSISTOR		
Q3672	RT1N440C-X	TRANSISTOR		
Q3672 or	KRC114S-X	TRANSISTOR		
Q3791	2SC3928A/RS/-X	TRANSISTOR		
Q3791 or	2SD601A/R/-X	TRANSISTOR		
Q4101	2SD596/4/-X	TRANSISTOR		
Q4101 or	2SD2114K/VW/-X	TRANSISTOR		
Q4102	2SD596/4/-X	TRANSISTOR		
Q4102 or	2SD2114K/VW/-X	TRANSISTOR		
Q4201	2SD596/4/-X	TRANSISTOR		
Q4201 or	2SD2114K/VW/-X	TRANSISTOR		
Q4202	2SD596/4/-X	TRANSISTOR		
Q4202 or	2SD2114K/VW/-X	TRANSISTOR		
Q4301	2SC3928A/RS/-X	TRANSISTOR		
Q4301 or	2SD601A/R/-X	TRANSISTOR		
Q5101	2SK301/R/-T	JUNCTION FET		
Q5201	2SK301/R/-T	JUNCTION FET		
Q6150	2SD596/4/-X	TRANSISTOR		
Q6150 or	2SD2114K/VW/-X	TRANSISTOR		
Q6151	2SD596/4/-X	TRANSISTOR		
Q6151 or	2SD2114K/VW/-X	TRANSISTOR		
Q6250	2SD596/4/-X	TRANSISTOR		
Q6250 or	2SD2114K/VW/-X	TRANSISTOR		
Q6251	2SD596/4/-X	TRANSISTOR		
Q6251 or	2SD2114K/VW/-X	TRANSISTOR		
Q6350	RT1N141C-X	TRANSISTOR		
Q6350 or	UN2211-X	TRANSISTOR		
Q6351	RT1P141C-X	TRANSISTOR		
Q6351 or	UN2111-X	TRANSISTOR		
Q6401	RT1N141C-X	TRANSISTOR		
Q6401 or	UN2211-X	TRANSISTOR		
Q7351	2SC3928A/RS/-X	TRANSISTOR		
Q7351 or	2SD601A/R/-X	TRANSISTOR		
Q7352	2SC3928A/RS/-X	TRANSISTOR		
Q7352 or	2SD601A/R/-X	TRANSISTOR		
Q7353	RT1P241C-X	TRANSISTOR		
Q7353 or	UN2112-X	TRANSISTOR		
Q7354	2SC3928A/RS/-X	TRANSISTOR		
Q7354 or	2SD601A/R/-X	TRANSISTOR		
Q7355	RT1P241C-X	TRANSISTOR		
Q7355 or	UN2112-X	TRANSISTOR		
Q7356	2SC3928A/RS/-X	TRANSISTOR		
Q7356 or	2SD601A/R/-X	TRANSISTOR		
Q7357	2SC3928A/RS/-X	TRANSISTOR		
Q7357 or	2SD601A/R/-X	TRANSISTOR		
Q7358	2SC3928A/RS/-X	TRANSISTOR		
Q7358 or	2SD601A/R/-X	TRANSISTOR		
Q7359	2SA1530A/QR/-X	TRANSISTOR		
Q7359 or	2SB709A/QR/-X	TRANSISTOR		
Q7360	DTC115EKA-X	DIGI TRANSISTOR		
Q8351	2SA1530A/QR/-X	TRANSISTOR		
Q8351 or	2SB709A/QR/-X	TRANSISTOR		
Q8352	2SA1530A/QR/-X	TRANSISTOR		
Q8352 or	2SB709A/QR/-X	TRANSISTOR		
Q8353	2SC3928A/RS/-X	TRANSISTOR		
Q8353 or	2SD601A/R/-X	TRANSISTOR		
Q8354	RT1N141C-X	TRANSISTOR		
Q8354 or	UN2211-X	TRANSISTOR		
Q9001	KTC3195/O/-T	TRANSISTOR		
Q9002	KTC3195/O/-T	TRANSISTOR		
Q9003	2SA1530A/QR/-X	TRANSISTOR		
Q9003 or	2SB709A/R/-X	TRANSISTOR		
Q9004	2SC3928A/RS/-X	TRANSISTOR		
Q9004 or	2SD601A/R/-X	TRANSISTOR		
Q9005	2SC3928A/RS/-X	TRANSISTOR		
Q9005 or	2SD601A/R/-X	TRANSISTOR		
Q9006	2SC3928A/RS/-X	TRANSISTOR		
Q9006 or	2SD601A/R/-X	TRANSISTOR		
D2502	SLR-342VR-T15	LED I M		
D2503	SLR-342VR-T15	LED I M		
D2504	SLR-342MG-T15	LED I M		
D3361	1SS133-T2	SI DIODE IM		
D3362	MTZJ3.9B-T2	Z DIODE		
D3363	1SS133-T2	SI DIODE IM		
D3571	SELU1E54CM-P	LED		
D3572	SELU1E54CM-P	LED		
D3791	MTZJ6.2A-T2	Z DIODE		
D4301	1SS133-T2	SI DIODE IM		
D4302	1SS133-T2	SI DIODE IM		
D5501	1SS133-T2	SI DIODE IM		
D6303	1SS133-T2	SI DIODE IM		
D6501	MTZJ4.7A-T2	Z DIODE		
D6502	MTZJ3.6A-T2	ZENER DIODE IM		
D6503	1SS133-T2	SI DIODE IM		

⚠ Symbol No.	Part No.	Part Name	Description	Local
D7351	1SS133-T2	SI DIODE IM		
D7352	1SS133-T2	SI DIODE IM		
D7353	1SS133-T2	SI DIODE IM		
D7354	1SS133-T2	SI DIODE IM		
D7355	1SS133-T2	SI DIODE IM		
D7357	1SS133-T2	SI DIODE IM		
D7358	1SS133-T2	SI DIODE IM		
D7359	1SS133-T2	SI DIODE IM		
D7360	1SS133-T2	SI DIODE IM		
D8351	1SS133-T2	SI DIODE IM		
D8352	1SS133-T2	SI DIODE IM		
D8353	1SS133-T2	SI DIODE IM		
D8354	1SS133-T2	SI DIODE IM		
D9007	1N4003S-T5	SI DIODE		
D9011	MTZJ5.1C-T2	Z DIODE		
D9012	MA700A-T2	S.B.DIODE		
D9013	1SS133-T2	SI DIODE IM		
D9126	1SS133-T2	SI DIODE IM		
C2501	QER61HM-105Z	E CAPACITOR	1uF 50V M	
C2502	QER61CM-476Z	E CAPACITOR	47uF 16V M	
C2503	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C2521	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2522	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2523	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2524	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3361	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C3362	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3571	QEKC1CM-476Z	E CAPACITOR	47uF 16V M	
C3791	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4142	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C4143	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4144	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4145	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C4151	NCS31HJ-681X	C CAPACITOR	680pF 50V J	
C4242	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C4243	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4244	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4245	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C4251	NCS31HJ-681X	C CAPACITOR	680pF 50V J	
C4341	QEKC1CM-476Z	E CAPACITOR	47uF 16V M	
C4342	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C4343	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C4344	QEKC1HM-226Z	E CAPACITOR	22uF 50V M	
C4351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5101	QFLC1HJ-152Z	M CAPACITOR	1500pF 50V J	
C5102	QER61EM-475Z	E CAPACITOR	4.7uF 25V M	
C5103	QER61EM-106Z	E CAPACITOR	10uF 25V M	
C5104	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C5105	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C5106	QFLC1HJ-562Z	M CAPACITOR	5600pF 50V J	
C5201	QFLC1HJ-152Z	M CAPACITOR	1500pF 50V J	
C5202	QER61EM-475Z	E CAPACITOR	4.7uF 25V M	
C5203	QER61EM-106Z	E CAPACITOR	10uF 25V M	
C5204	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C5205	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C5206	QFLC1HJ-562Z	M CAPACITOR	5600pF 50V J	
C5301	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C5302	QER61HM-105Z	E CAPACITOR	1uF 50V M	
C5303	QER61HM-225Z	E CAPACITOR	2.2uF 50V M	
C5304	QER61HM-105Z	E CAPACITOR	1uF 50V M	
C5305	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C5306	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C5307	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C5309	QEKC1HM-474Z	E CAPACITOR	0.47uF 50V M	
C5501	QER61AM-107Z	E CAPACITOR	100uF 10V M	
C5502	QEKC1EM-476Z	E CAPACITOR	47uF 25V M	
C5503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6150	QER61HM-105Z	E CAPACITOR	1uF 50V M	
C6151	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C6152	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C6153	QER61AM-107Z	E CAPACITOR	100uF 10V M	
C6250	QER61HM-105Z	E CAPACITOR	1uF 50V M	
C6251	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C6252	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C6253	QER61AM-107Z	E CAPACITOR	100uF 10V M	
C6350	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C6351	QEKC1CM-476Z	E CAPACITOR	47uF 16V M	
C6352	QEKC1CM-226Z	E CAPACITOR	22uF 16V M	
C7351	QETN1HM-104Z	E CAPACITOR	0.1uF 50V M	
C7352	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C7353	QETN1HM-334Z	E CAPACITOR	0.33uF 50V M	
C7354	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7355	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7356	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C7357	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C7358	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7359	QFLC1HJ-683Z	M CAPACITOR	0.068uF 50V J	
C7360	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C7361	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C7362	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C7363	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C7365	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7366	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C7367	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7368	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7370	QETN1HM-104Z	E CAPACITOR	0.1uF 50V M	
C8351	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C8352	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C8353	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C8354	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C8355	QFVF1HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C8356	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C8357	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C8358	QEKC1HM-226Z	E CAPACITOR	22uF 50V M	
C8359	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C8360	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C8361	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C8362	NCB21HK-473X	C CAPACITOR	0.047uF 50V K	
C8363	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C9001	QER61AM-107Z	E CAPACITOR	100uF 10V M	
C9002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9003	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9004	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9005	NCS31HJ-390X	C CAPACITOR	39pF 50V J	
C9006	NCS31HJ-390X	C CAPACITOR	39pF 50V J	
C9007	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C9008	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C9009	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C9010	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C9011	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9012	QER61HM-226Z	E CAPACITOR	22uF 50V M	
C9104	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9110	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9126	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9133	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9134	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9136	QER61HM-106Z	E CAPACITOR	10uF 50V M	
C9137	QER61HM-106Z	E CAPACITOR	10uF 50V M	
C9138	QER61HM-106Z	E CAPACITOR	10uF 50V M	
C9142	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9145	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C9146	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C9147	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C9148	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C9149	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C9150	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C9151	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C9178	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9180	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9181	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9182	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C9187	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9188	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C9189	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9190	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9196	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9197	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9198	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9247	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
R2501	NRS181J-271X	MG RESISTOR	270Ω 1/8W J	
R2504	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2505	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2506	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R2507	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R2508	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2509	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R2510	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R2511	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R2512	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2513	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2514	NRS181J-391X	MG RESISTOR	390Ω 1/8W J	
R2515	NRS181J-471X	MG RESISTOR	470Ω 1/8W J	
R2516	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2517	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2518	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2519	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2520	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2521	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3361	QRE141J-390Y	C RESISTOR	39Ω 1/4W J	
R3362	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3363	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3571	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3572	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3573	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3574	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3575	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3576	QRE141J-331Y	C RESISTOR	330Ω 1/4W J	
R3577	QRE141J-331Y	C RESISTOR	330Ω 1/4W J	
R3671	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3672	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3791	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R3792	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3793	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3794	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R4141	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R4142	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R4143	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R4144	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R4145	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R4149	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4150	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4151	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4153	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R4155	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R4158	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R4159	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4160	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R4161	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R4241	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R4242	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R4243	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R4244	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R4245	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R4249	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4250	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4251	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4253	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R4255	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R4258	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R4259	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4260	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R4261	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R4301	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4341	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4342	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4343	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R4351	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4352	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R5101	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R5102	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R5104	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R5201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R5202	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R5204	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R5301	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R5302	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R5303	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R5304	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R5305	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R5306	NRSA63J-475X	MG RESISTOR	4.7MΩ 1/16W J	
R5307	NRSA63J-475X	MG RESISTOR	4.7MΩ 1/16W J	
R5308	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R5501	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R5502	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6150	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6151	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6152	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6153	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6154	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6155	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6157	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6158	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6160	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6161	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6250	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6251	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6252	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6253	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6254	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6255	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6257	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6258	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6260	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6261	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6335	QRE141J-121Y	C RESISTOR	120Ω 1/4W J	
R6350	QRE141J-121Y	C RESISTOR	120Ω 1/4W J	
R6351	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6353	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6354	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6401	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R7351	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R7352	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R7353	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R7354	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R7355	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R7356	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7357	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7358	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7359	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7360	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7361	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7362	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R7365	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7366	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R7367	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7368	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7369	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R7370	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R7371	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7372	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7373	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7374	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R7375	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7376	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7377	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7378	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7379	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R7380	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R7381	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7382	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7383	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7384	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7385	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7386	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7387	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7388	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8351	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R8352	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R8353	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R8354	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8355	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R8356	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R8357	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8358	NRSA63J-475X	MG RESISTOR	4.7MΩ 1/16W J	
R8359	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8360	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R8361	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8362	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R8363	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R8364	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8365	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8366	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R8367	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R8368	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8369	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8370	NRSA02J-275X	MG RESISTOR	2.7MΩ 1/10W J	
R8371	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8372	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9001	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9002	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9003	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9004	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9011	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9012	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9013	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9014	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9017	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9018	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9102	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9104	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9105	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9107	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9108	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9115	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9116	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9118	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9119	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9120	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9124	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9125	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9126	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9129	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9130	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9131	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9133	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9134	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9135	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9136	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9137	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9138	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9139	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9140	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9145	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9146	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9147	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9148	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9149	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9150	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9172	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9173	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9174	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9175	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9176	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9177	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R9178	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R9180	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9181	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9182	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9184	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9185	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9186	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9187	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9188	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9189	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9190	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9191	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9192	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9196	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9197	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9198	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9199	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9201	NRSA63F-473X	MG RESISTOR	47kΩ 1/16W F	
R9202	NRSA63F-154X	MG RESISTOR	150kΩ 1/16W F	
R9203	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9204	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R9207	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9208	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9210	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9218	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R9221	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9222	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9223	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9224	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9226	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9230	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9237	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R9238	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R9239	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9240	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R9272	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9273	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9274	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9275	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9278	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9282	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9285	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R9286	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
VR731	QVQ0287-B24	V RESISTOR		
VR901	QSW0626-001	R ENCODER		
VR902	QSW0626-001	R ENCODER		
L4351	QQR0621-001Z	FERRITE BEADS		
L4352	QQR0621-001Z	FERRITE BEADS		
L4353	QQL244K-100Z	COIL	10uH K	
L4354	NQR0007-002X	FERRITE BEADS		
L4355	NQR0007-002X	FERRITE BEADS		
L4356	NQR0007-002X	FERRITE BEADS		
L6351	NQR0007-002X	FERRITE BEADS		
L6352	NQR0007-002X	FERRITE BEADS		
L6353	NQR0007-002X	FERRITE BEADS		
L9001	QQL244K-100Z	COIL	10uH K	
L9002	QQL244K-100Z	COIL	10uH K	
CN251	QGB1216K1-10S	CONNECTOR	B-B (1-10)	
CN252	QGB1216K1-10S	CONNECTOR	B-B (1-10)	
CN403	QGF1205C2-09	CONNECTOR	FFC/FPC (1-9)	
CN404	QGF1036F2-17	CONNECTOR	FFC/FPC (1-17)	
CN405	QGF1205C2-10	CONNECTOR	FFC/FPC (1-10)	
CN406	QGF1205C2-09	CONNECTOR	FFC/FPC (1-9)	
CN407	QGF1210G1-13	CONNECTOR	FFC/FPC (1-13)	
CN408	QGF1210G1-13	CONNECTOR	FFC/FPC (1-13)	
CN751	QGA2001F1-04	CONNECTOR	W-B (1-4)	
CN901	QGB1216J1-10S	CONNECTOR	B-B (1-10)	
CN902	QGB1216J1-10S	CONNECTOR	B-B (1-10)	
CN904	QGA2501C3-03Z	CONNECTOR	W-B (1-3)	
DI901	QLD0332-002	LCD MODULE		
FW251	QUM213-14Z3Z3-E	PARA RIBON WIRE		
FW253	QUM213-14Z3Z3-E	PARA RIBON WIRE		
FW256	QJK002-020602-E	SIN CL C-B WIRE		
FW401	QUM212-08Z3Z3-E	PARA RIBON WIRE		
FW403	QJK003-040704-E	SIN CL C-B WIRE		
J4301	QNS0186-001	JACK		
J6301	QNS0072-001	HEADPHONE JACK		
J7351	QNS0148-001	6.3 JACK		
K7351	QQR0621-001Z	FERRITE BEADS		
K9001	QQR0621-001Z	FERRITE BEADS		
K9003	QQR0621-001Z	FERRITE BEADS		
S2501	QSW0622-001Z	TACT SW		
S2502	QSW0622-001Z	TACT SW		
S2503	QSW0622-001Z	TACT SW		
S2504	QSW0622-001Z	TACT SW		
S2505	QSW0622-001Z	TACT SW		
S2506	QSW0622-001Z	TACT SW		
S2507	QSW0622-001Z	TACT SW		
S2508	QSW0622-001Z	TACT SW		
S2509	QSW0622-001Z	TACT SW		
S2510	QSW0622-001Z	TACT SW		
S2512	QSW0622-001Z	TACT SW		
S2513	QSW0622-001Z	TACT SW		
S2521	QSW0122-001	PUSH SWITCH		
X9001	QAX0401-001	CRYSTAL		

⚠ Symbol No.	Part No.	Part Name	Description	Local
X9002	QAX0416-001Z	CERA LOCK		

Tuner board (J,C ver.)

Block No. [0][3]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC1	TA2104ANG	IC		
IC2	LC72136N	IC		
Q1	2SC2668/O/-T	TRANSISTOR TAPE		
Q2	2SK360/E/-W	FET		
Q3	2SA1530A/QR/-X	TRANSISTOR		
D1	SVC203SPA-JV-T	VARI CAP		
D2	SVC203SPA-JV-T	VARI CAP		
D3	SVC203SPA-JV-T	VARI CAP		
D5	1SS133-T2	SI DIODE IM		
D6	1SS133-T2	SI DIODE IM		
D12	1A3G-T1	DIODE		
C2	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C3	QCSB1HK-5R6Y	C CAPACITOR	5.6pF 50V K	
C4	QCSB1HJ-200Y	C CAPACITOR	20pF 50V J	
C5	QCSB1HK-8R2Y	C CAPACITOR	8.2pF 50V K	
C6	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C8	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C9	QCSB1HJ-120Y	C CAPACITOR	12pF 50V J	
C10	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C11	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C12	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C13	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C16	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C21	QDX31EM-473Z	C CAPACITOR	0.047uF 25V M	
C22	QFP31HJ-431Z	PP CAPACITOR	430pF 50V J	
C23	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C31	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C32	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C33	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C35	QETN1HM-104Z	E CAPACITOR	0.1uF 50V M	
C36	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C37	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C38	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C40	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C41	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C42	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C43	QETN1HM-104Z	E CAPACITOR	0.1uF 50V M	
C44	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C45	QETN1HM-104Z	E CAPACITOR	0.1uF 50V M	
C47	QDX31EM-123Z	C CAPACITOR	0.012uF 25V M	
C48	QDX31EM-123Z	C CAPACITOR	0.012uF 25V M	
C49	QETN1HM-104Z	E CAPACITOR	0.1uF 50V M	
C50	QETN1HM-104Z	E CAPACITOR	0.1uF 50V M	
C51	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C53	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C60	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C61	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C62	QDCB1HJ-120Y	C CAPACITOR	12pF 50V J	
C63	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C64	QDCB1HJ-120Y	C CAPACITOR	12pF 50V J	
C65	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C66	QCBB1HK-151Y	C CAPACITOR	150pF 50V K	
C69	QCBB1HK-222Y	C CAPACITOR	2200pF 50V K	
C70	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C71	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C77	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C81	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
R1	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R2	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3	QRE141J-270Y	C RESISTOR	27Ω 1/4W J	
R4	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R5	QRE141J-151Y	C RESISTOR	150Ω 1/4W J	
R6	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R10	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R13	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R18	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R20	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R24	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R25	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R30	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J	
R31	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R32	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R33	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R35	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R36	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R38	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R39	QRE141J-121Y	C RESISTOR	120Ω 1/4W J	
R40	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R42	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R44	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R47	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R48	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R52	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R54	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R55	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R56	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R57	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R59	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R60	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R61	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R63	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R81	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R82	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R83	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R84	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
L2	QQR1721-001	RF COIL		
L3	QQR0745-001	BAR ANTENA		
L7	QQL231K-221Y	COIL	220uH K	
L9	QQL231K-4R7Y	COIL	4.7uH K	
L10	QQL231K-4R7Y	COIL	4.7uH K	
L11	QQR1719-001	RF COIL		
L12	QQR0756-001	COIL		
T1	QQR1722-001	FM IFT		
T2	QAX0540-001	C FIL		
CF3	QAX0538-002Z	CRYSTAL		
K1	QQR0779-001Z	COIL		
X1	QAX0402-001	CRYSTAL		
ZD1	MTZJ3.0B-T2	Z DIODE		

CD servo board (J,C ver.)

Block No. [0][4]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC251	MN101C61GNJ	IC		
IC601	AN22002A-W	IC		
IC651	MN6627934CH	IC		
IC671	GLT4160L04P50TC	IC		
IC681	SN74AHC1G32DC-X	IC		
IC682	SN74LV08APW-X	IC		
IC801	AN4801SB-W	IC		
Q231	2SC2814/4-5/-X	TRANSISTOR		
Q232	2SC2814/4-5/-X	TRANSISTOR		
Q291	2SB1424/QR/-W	TRANSISTOR		
Q631	2SA1530A/QR/-X	TRANSISTOR		
Q631	or 2SA1037AK/RS/-X	TRANSISTOR		
D251	RB521S-30-X	SB DIODE		
D252	RB521S-30-X	SB DIODE		
D601	1SS355-X	DIODE C.M		

⚠ Symbol No.	Part No.	Part Name	Description	Local
C231	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C232	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C233	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C234	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C252	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C253	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C259	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C291	QERF0JM-226Z	E CAPACITOR	22uF 6.3V M	
C603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C604	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C605	NDC31HJ-391X	C CAPACITOR	390pF 50V J	
C606	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C609	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C610	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	
C611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C612	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C614	NCB31CK-393X	C CAPACITOR	0.039uF 16V K	
C615	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C616	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C621	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C622	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C624	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C631	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
C632	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C633	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C641	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C651	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C652	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C653	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C654	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C655	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C656	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C657	NCS31HJ-681X	C CAPACITOR	680pF 50V J	
C658	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C659	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C661	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C662	NCB31CK-823X	C CAPACITOR	0.082uF 16V K	
C663	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C664	QERF0JM-476Z	E CAPACITOR	47uF 6.3V M	
C665	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C666	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C667	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C669	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C672	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C673	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
C674	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C675	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C676	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C677	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C678	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C681	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C690	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C801	QERF1AM-227Z	E CAPACITOR	220uF 10V M	
C802	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C803	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C804	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C805	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C806	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
R231	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R232	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R233	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R234	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R236	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R251	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R253	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R255	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R256	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R258	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R260	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R261	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R262	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R263	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R264	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R266	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R267	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R268	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R271	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R274	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R278	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R293	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R294	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R295	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R296	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R297	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R298	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R299	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R601	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R602	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R603	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R604	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R607	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R608	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R611	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R613	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R617	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R621	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R625	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R631	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R632	NRSA63J-3R9X	MG RESISTOR	3.9Ω 1/16W J	
R634	NRSA63J-3R9X	MG RESISTOR	3.9Ω 1/16W J	
R635	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R651	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R652	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R653	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R654	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R655	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R656	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R657	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R658	NRSA63J-241X	MG RESISTOR	240Ω 1/16W J	
R659	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R661	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R662	NRSA02J-101X	MG RESISTOR	100Ω 1/10W J	
R664	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R665	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R666	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R667	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R668	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R669	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R671	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R672	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R673	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R674	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R675	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R676	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R678	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R679	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R681	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R682	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R801	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R803	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R805	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R807	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R809	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R811	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R812	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R814	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R815	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R816	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R818	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R830	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R831	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R832	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R833	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R834	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R835	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R836	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R837	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R838	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R839	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R840	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R841	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R842	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R843	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R844	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R845	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R846	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R847	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R848	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
CN601	QGF1008F2-16	CONNECTOR	FFC/FPC (1-16)	
CN603	QGA2501F1-02	CONNECTOR	W-B (1-2)	
CN651	QGF1036F2-17	CONNECTOR	FFC/FPC (1-17)	
FW602	QJK004-060601-E	SIN CL C-B WIRE		
K251	NQR0007-002X	FERRITE BEADS		
K252	NQR0007-002X	FERRITE BEADS		
K254	NQR0007-002X	FERRITE BEADS		
K651	QQR0621-001Z	FERRITE BEADS		
K654	NQR0007-002X	FERRITE BEADS		
X251	QAX0684-001Z	C RESONATOR		
X651	NAX0476-001X	CRYSTAL		

Main board (B,E,EN,EV ver.)

Block No. [0][5]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC2	TA2008AN	IC		
IC3	LC72136N	IC		
⚠ IC301	TA8233BH	IC		
⚠ IC390	KIA78DL06PI	IC		
⚠ IC601	TA8223K	IC		
IC701	BA15218N	IC		
IC702	BA15218N	IC		
IC703	BA15218N	IC		
IC704	BA15218N	IC		
IC801	BA15218N	IC		
Q2	2SC2668/O/-T	TRANSISTOR TAPE		
Q3	2SC2668/O/-T	TRANSISTOR TAPE		
Q4	2SA1175/HFE/-T	TRANSISTOR		
Q5	2SC2668/O/-T	TRANSISTOR TAPE		
Q6	2SC2668/O/-T	TRANSISTOR TAPE		
Q14	KRA107M-T	DIGI TRANSISTOR		
Q3191	KRA110M-T	TRANSISTOR		
⚠ Q3192	2SA1359/OY/	TRANSISTOR		
Q3193	KRA111M-T	DIGI TRANSISTOR		
Q3194	KTC3199/GL/-T	TRANSISTOR		
Q3195	KTA1267/YG/-T	TRANSISTOR		
⚠ Q3196	KTA1023/OY/-T	TRANSISTOR		
Q3197	KTC3199/GL/-T	TRANSISTOR		
Q3198	KRC111M-T	TR I/M *		
Q3301	KTA1267/YG/-T	TRANSISTOR		
⚠ Q3302	2SA1359/OY/	TRANSISTOR		
Q3303	KRA114M-T	DIGI TRANSISTOR		
Q3304	KRC114M-T	TR I.M *		
Q3305	KTC3199/GL/-T	TRANSISTOR		
Q3306	KTC3199/GL/-T	TRANSISTOR		
Q3491	KTA1267/YG/-T	TRANSISTOR		
⚠ Q3492	KTA1046/Y/	TRANSISTOR *		
Q3493	KRA114M-T	DIGI TRANSISTOR		
Q3494	KRC114M-T	TR I.M *		
Q3495	KTC3199/GL/-T	TRANSISTOR		
Q3496	KTC3199/GL/-T	TRANSISTOR		
Q6101	KTC3203/OY/-T	TRANSISTOR		
Q6201	KTC3203/OY/-T	TRANSISTOR		
Q6301	2SA952/LK/-T	TRANSISTOR		
Q6302	KTC3199/GL/-T	TRANSISTOR		
Q6303	KRA102M-T	DIGI TRANSISTOR		
Q6304	KTC3203/OY/-T	TRANSISTOR		
Q6305	KRC102M-T	DIGI TRANSISTOR		
Q6306	KRC102M-T	DIGI TRANSISTOR		
Q6307	KRC102M-T	DIGI TRANSISTOR		
Q6308	KRC102M-T	DIGI TRANSISTOR		
Q7301	KTC3199/GL/-T	TRANSISTOR		
Q7302	KTC3199/GL/-T	TRANSISTOR		
Q7303	2SK301/R/-T	JUNCTION FET		
Q8101	KTC3199/GL/-T	TRANSISTOR		
Q8201	KTC3199/GL/-T	TRANSISTOR		
D1	SVC203SPA-JV-T	VARI CAP		
D2	SVC203SPA-JV-T	VARI CAP		
D5	1SS133-T2	SI DIODE IM		
D6	1SS133-T2	SI DIODE IM		
D8	SVC344-T	VARI CAP		
D10	SVC344-T	VARI CAP		
D12	1A3G-T1	DIODE		
D3191	1SS133-T2	SI DIODE IM		
D3192	MTZJ7.5A-T2	Z DIODE		
D3193	SRT14	DIODE		
D3194	MTZJ7.5A-T2	Z DIODE		
D3195	1SS133-T2	SI DIODE IM		
D3196	1SS133-T2	SI DIODE IM		
D3301	1SS133-T2	SI DIODE IM		
D3302	MTZJ9.1A-T2	Z DIODE		
D3491	1SS133-T2	SI DIODE IM		
D3492	MTZJ9.1A-T2	Z DIODE		
D3493	1SS133-T2	SI DIODE IM		
D3901	MTZJ8.2B-T2	Z DIODE		
D6301	1SS133-T2	SI DIODE IM		
D6302	1SS133-T2	SI DIODE IM		
D6304	1SS133-T2	SI DIODE IM		
D7301	1SS133-T2	SI DIODE IM		
D7302	1SS133-T2	SI DIODE IM		
D7303	1SS133-T2	SI DIODE IM		
D7304	1SS133-T2	SI DIODE IM		
D7305	1SS133-T2	SI DIODE IM		
D7306	1SS133-T2	SI DIODE IM		
D7307	MTZJ4.3B-T2	Z DIODE		
D8301	MTZJ4.3B-T2	Z DIODE		
C3	QCSB1HK-6R8Y	C CAPACITOR	6.8pF 50V K	
C6	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C7	QCSB1HJ-200Y	C CAPACITOR	20pF 50V J	
C9	QCSB1HJ-120Y	C CAPACITOR	12pF 50V J	
C13	QDX31EM-223Z	C CAPACITOR	0.022uF 25V M	
C16	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C21	QDX11EM-473Z	C CAPACITOR	0.047uF 25V M	
C22	QFP31HJ-431Z	PP CAPACITOR	430pF 50V J	
C23	QDCB1HJ-120Y	C CAPACITOR	12pF 50V J	
C24	QCSB1HJ-620Y	C CAPACITOR	62pF 50V J	
C25	QETN1HM-104Z	E CAPACITOR	0.1uF 50V M	
C26	QFP31HJ-181Z	PP CAPACITOR	180pF 50V J	
C27	QCS31HJ-101Z	C CAPACITOR	100pF 50V J	
C28	QCSB1HJ-150Y	C CAPACITOR	15pF 50V J	
C31	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C32	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C33	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C35	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C36	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C37	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C40	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C41	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C42	QDX11EM-473Z	C CAPACITOR	0.047uF 25V M	
C44	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C45	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C47	QDX31EM-123Z	C CAPACITOR	0.012uF 25V M	
C48	QDX31EM-123Z	C CAPACITOR	0.012uF 25V M	
C49	QETN1HM-104Z	E CAPACITOR	0.1uF 50V M	
C50	QETN1HM-104Z	E CAPACITOR	0.1uF 50V M	
C51	QDGB1HK-681Y	C CAPACITOR	680pF 50V K	
C52	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C56	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C60	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C61	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C62	QDCB1HJ-120Y	C CAPACITOR	12pF 50V J	
C63	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C64	QDCB1HJ-120Y	C CAPACITOR	12pF 50V J	
C65	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C66	QCBB1HK-151Y	C CAPACITOR	150pF 50V K	
C69	QCBB1HK-222Y	C CAPACITOR	2200pF 50V K	
C70	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C71	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C77	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C3191	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3192	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C3193	QCBB1HK-101Y	C CAPACITOR	100pF 50V K	
C3194	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C3301	QDYB1CM-103Y	C CAPACITOR	0.01uF 16V M	
C3302	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C3303	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3491	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3492	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C3493	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3901	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C3902	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J	
C5308	QER61HM-474Z	E CAPACITOR	0.47uF 50V M	
C6101	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C6102	QCBB1HK-151Y	C CAPACITOR	150pF 50V K	
C6103	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C6104	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6105	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6106	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C6107	QTE1V06-226Z	E CAPACITOR	22uF 35V	
C6108	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C6201	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C6202	QCBB1HK-151Y	C CAPACITOR	150pF 50V K	
C6203	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C6204	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6205	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6206	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C6207	QTE1V06-226Z	E CAPACITOR	22uF 35V	
C6208	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C6301	QETN1EM-227Z	E CAPACITOR	220uF 25V M	
C6302	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6303	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6304	QFVF1HJ-154Z	MF CAPACITOR	0.15uF 50V J	
C6305	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6306	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C6307	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6308	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C6309	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C6310	QCBB1HK-101Y	C CAPACITOR	100pF 50V K	
C6311	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6312	QETN1EM-227Z	E CAPACITOR	220uF 25V M	
C6313	QCBB1HK-101Y	C CAPACITOR	100pF 50V K	
C6314	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
⚠ C6315	QETM1EM-688	E CAPACITOR	6800uF 25V M	
C6316	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6317	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6318	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6319	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C6320	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6321	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7301	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C7302	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C7303	QCSB1HK-3R3Y	C CAPACITOR	3.3pF 50V K	
C7305	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7306	QFVF1HJ-274Z	MF CAPACITOR	0.27uF 50V J	
C7307	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7308	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C7309	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C7310	QFLC1HJ-153Z	M CAPACITOR	0.015uF 50V J	
C7311	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7312	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7313	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7314	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C7316	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C7317	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C7318	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C7319	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C7320	QFLC1HJ-393Z	M CAPACITOR	0.039uF 50V J	
C7321	QFVF1HJ-154Z	MF CAPACITOR	0.15uF 50V J	
C7322	QER61HM-105Z	E CAPACITOR	1uF 50V M	
C7323	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7324	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C8101	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C8102	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C8103	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C8105	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C8201	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C8202	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C8203	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C8205	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C8301	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C8303	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C8304	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C8322	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
TC2	QAT3725-200Z	TRIM CAPACITOR	20pF	
TC3	QAT3725-300Z	TRIM CAPACITOR	30pF	
R1	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R2	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3	QRE141J-4R7Y	C RESISTOR	4.7Ω 1/4W J	
R7	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R9	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R12	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R13	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R14	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R15	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R16	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R17	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R18	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R19	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R20	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R21	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R28	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
R30	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R31	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R33	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R34	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J	
R35	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J	
R36	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R37	QRE141J-560Y	C RESISTOR	56Ω 1/4W J	
R40	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R41	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R42	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R44	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R45	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R46	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R47	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R48	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R51	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R52	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R54	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R55	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R56	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R57	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R59	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R60	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R61	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R64	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3191	QRE141J-1R5Y	C RESISTOR	1.5Ω 1/4W J	
R3192	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
R3193	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3194	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3195	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3196	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3197	QAD0015-153Z	THERMISTOR	15kΩ	
R3198	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3199	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R3200	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R3201	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3202	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
R3203	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R3204	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3301	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R3302	QRE141J-1R0Y	C RESISTOR	1Ω 1/4W J	
R3303	QRE141J-1R0Y	C RESISTOR	1Ω 1/4W J	
R3304	QRE141J-1R0Y	C RESISTOR	1Ω 1/4W J	
R3305	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R3306	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R3307	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3308	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R3309	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R3310	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R3311	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R3312	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3313	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R3314	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3315	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3316	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3491	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R3492	QRE141J-1R0Y	C RESISTOR	1Ω 1/4W J	
R3493	QRE141J-1R0Y	C RESISTOR	1Ω 1/4W J	
R3494	QRE141J-1R0Y	C RESISTOR	1Ω 1/4W J	
R3495	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3496	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R3497	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R3498	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R3499	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R3500	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R3501	QRE141J-681Y	C RESISTOR	680Ω 1/4W J	
R3502	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3503	QRE141J-471Y	C RESISTOR	470Ω 1/4W J	
R3504	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R3505	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3506	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R3507	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3508	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R3901	QRZ9006-4R7X	FUSI RESISTOR	4.7Ω	
R5107	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R5207	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R6101	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R6102	QRE141J-121Y	C RESISTOR	120Ω 1/4W J	
R6103	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R6104	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R6105	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6201	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R6202	QRE141J-121Y	C RESISTOR	120Ω 1/4W J	
R6203	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R6204	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R6205	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6301	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R6302	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6303	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R6304	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6305	QRE141J-622Y	C RESISTOR	6.2kΩ 1/4W J	
R6306	QRE141J-182Y	C RESISTOR	1.8kΩ 1/4W J	
R6307	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R6308	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R6309	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R6310	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R6311	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R6312	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R6313	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R6314	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R6315	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6316	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R6317	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6318	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R6319	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R6320	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R6321	QRE141J-2R2Y	C RESISTOR	2.2Ω 1/4W J	
R6322	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R6325	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R7301	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R7303	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7305	QRE141J-224Y	C RESISTOR	220kΩ 1/4W J	
R7307	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R7308	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7309	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R7310	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7311	QRE141J-184Y	C RESISTOR	180kΩ 1/4W J	
R7312	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R7313	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R7314	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R7316	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R7317	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R7318	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7319	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R7320	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R7321	QRE141J-224Y	C RESISTOR	220kΩ 1/4W J	
R7322	QRE141J-563Y	C RESISTOR	56kΩ 1/4W J	
R7323	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7324	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7325	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R7326	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R7327	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7328	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R7329	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R7330	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J	
R7331	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R7332	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7333	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R7334	QRE141J-243Y	C RESISTOR	24kΩ 1/4W J	
R7336	QRE141J-243Y	C RESISTOR	24kΩ 1/4W J	
R7338	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J	
R7339	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R7341	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R7342	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7343	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7344	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R8101	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R8102	QRE141J-272Y	C RESISTOR	2.7kΩ 1/4W J	
R8103	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J	
R8104	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R8105	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R8107	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R8111	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R8201	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R8202	QRE141J-272Y	C RESISTOR	2.7kΩ 1/4W J	
R8203	QRE141J-392Y	C RESISTOR	3.9kΩ 1/4W J	
R8204	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R8205	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R8207	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R8211	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R8301	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8302	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J	
R8321	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R8327	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
L1	QQR0772-001	OSC COIL		
L2	QQR0769-001	RF COIL		
L3	QQR0771-001	BAR ANTENA		
L4	QQR0723-001	OSC COIL		
L6	QQR0774-001	OSC COIL(LW)		
L7	QQL231K-221Y	COIL	220uH K	
L12	QQR0756-001	COIL		
L3191	QQL28AK-101	CHOKE COIL	100uH K	
T2	QQR0719-001	I.F.TRANSEFORME		
BP1	QQR0768-001Z	BP FILTER		
BS1	VYH5483-001	SPRING		
BS2	VYH7199-001	BATT.SPRING		
CF1	QAX0403-001	C FILTER		
CF3	QAX0404-001Z	C FILTER		
CF4	QAX0778-001	CERA LOCK		
CN1	QGF1205C2-09	CONNECTOR	FFC/FPC (1-9)	
CN601	QGF1205F2-13	CONNECTOR	FFC/FPC (1-13)	
CN602	QGF1205F2-13	CONNECTOR	FFC/FPC (1-13)	
CN603	QGB1214K1-10S	CONNECTOR	B-B (1-10)	
CN604	QGB1214J1-10S	CONNECTOR	B-B (1-10)	
FW601	WJK0002-001A-E	E-SI C WIRE C-B		
FW602	WJK0004-001A-E	E-SI C WIRE C-B		
FW603	WJK0003-001A-E	001A C WIRE C-B		
TP1	QNZ0104-001	POST PIN		
TP2	QNZ0104-001	POST PIN		
X1	QAX0402-001	CRYSTAL		

Micon board (B,E,EN,EV ver.)

Block No. [0][6]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC401	NJM4565M-WE	IC		
IC501	BH3852S	IC		

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC551	PQ033ES3MX-T	IC		
IC603	NJM4565M-WE	IC		
IC751	NJM4565M-WE	IC		
IC752	NJM4565M-WE	IC		
IC831	NJM4565M-WE	IC		
IC901	MN101C49GPY	IC(MCU)MASK		
IC902	PST9131N-X	IC		
IC903	GP1UM281XKVF	IR DETECT UNIT		
IC904	BR24L02F-W-X	IC		
Q2501	RT1P242C-X	TRANSISTOR		
Q2501 or	KRA108S-X	TRANSISTOR		
Q2502	2SC3928A/RS/-X	TRANSISTOR		
Q2502 or	2SD601A/R/-X	TRANSISTOR		
Q2503	2SC3928A/RS/-X	TRANSISTOR		
Q2503 or	2SD601A/R/-X	TRANSISTOR		
Q2504	RT1N440C-X	TRANSISTOR		
Q2504 or	KRC114S-X	TRANSISTOR		
Q2505	RT1P430C-X	TRANSISTOR		
Q2505 or	KRA110S-X	TRANSISTOR		
Q3361	2SA1530A/QR/-X	TRANSISTOR		
⚠ Q3361 or	2SB709A/QR/-X	TRANSISTOR		
Q3362	2SC3928A/RS/-X	TRANSISTOR		
Q3362 or	2SD601A/R/-X	TRANSISTOR		
Q3571	2SB624/4/-X	TRANSISTOR		
Q3572	2SC3928A/RS/-X	TRANSISTOR		
Q3572 or	2SD601A/R/-X	TRANSISTOR		
Q3671	2SB624/4/-X	TRANSISTOR		
Q3672	RT1N440C-X	TRANSISTOR		
Q3672 or	KRC114S-X	TRANSISTOR		
Q3791	2SC3928A/RS/-X	TRANSISTOR		
Q3791 or	2SD601A/R/-X	TRANSISTOR		
Q4101	2SD596/4/-X	TRANSISTOR		
Q4101 or	2SD2114K/VW/-X	TRANSISTOR		
Q4102	2SD596/4/-X	TRANSISTOR		
Q4102 or	2SD2114K/VW/-X	TRANSISTOR		
Q4201	2SD596/4/-X	TRANSISTOR		
Q4201 or	2SD2114K/VW/-X	TRANSISTOR		
Q4202	2SD596/4/-X	TRANSISTOR		
Q4202 or	2SD2114K/VW/-X	TRANSISTOR		
Q4301	2SC3928A/RS/-X	TRANSISTOR		
Q4301 or	2SD601A/R/-X	TRANSISTOR		
Q5101	2SK301/R/-T	JUNCTION FET		
Q5201	2SK301/R/-T	JUNCTION FET		
Q6150	2SD596/4/-X	TRANSISTOR		
Q6150 or	2SD2114K/VW/-X	TRANSISTOR		
Q6151	2SD596/4/-X	TRANSISTOR		
Q6151 or	2SD2114K/VW/-X	TRANSISTOR		
Q6250	2SD596/4/-X	TRANSISTOR		
Q6250 or	2SD2114K/VW/-X	TRANSISTOR		
Q6251	2SD596/4/-X	TRANSISTOR		
Q6251 or	2SD2114K/VW/-X	TRANSISTOR		
Q6350	RT1N141C-X	TRANSISTOR		
Q6350 or	UN2211-X	TRANSISTOR		
Q6351	RT1P141C-X	TRANSISTOR		
Q6351 or	UN2111-X	TRANSISTOR		
Q6401	RT1N141C-X	TRANSISTOR		
Q6401 or	UN2211-X	TRANSISTOR		
Q7351	2SC3928A/RS/-X	TRANSISTOR		
Q7351 or	2SD601A/R/-X	TRANSISTOR		
Q7352	2SC3928A/RS/-X	TRANSISTOR		
Q7352 or	2SD601A/R/-X	TRANSISTOR		
Q7353	RT1P241C-X	TRANSISTOR		
Q7353 or	UN2112-X	TRANSISTOR		
Q7354	2SC3928A/RS/-X	TRANSISTOR		
Q7354 or	2SD601A/R/-X	TRANSISTOR		
Q7355	RT1P241C-X	TRANSISTOR		
Q7355 or	UN2112-X	TRANSISTOR		
Q7356	2SC3928A/RS/-X	TRANSISTOR		
Q7356 or	2SD601A/R/-X	TRANSISTOR		
Q7357	2SC3928A/RS/-X	TRANSISTOR		
Q7357 or	2SD601A/R/-X	TRANSISTOR		
Q7358	2SC3928A/RS/-X	TRANSISTOR		
Q7358 or	2SD601A/R/-X	TRANSISTOR		
Q7359	2SA1530A/QR/-X	TRANSISTOR		
Q7359 or	2SB709A/QR/-X	TRANSISTOR		
Q7360	DTC115EKA-X	DIGI TRANSISTOR		
Q8351	2SA1530A/QR/-X	TRANSISTOR		
Q8351 or	2SB709A/QR/-X	TRANSISTOR		
Q8352	2SA1530A/QR/-X	TRANSISTOR		
Q8352 or	2SB709A/QR/-X	TRANSISTOR		
Q8353	2SC3928A/RS/-X	TRANSISTOR		
Q8353 or	2SD601A/R/-X	TRANSISTOR		
Q8354	RT1N141C-X	TRANSISTOR		
Q8354 or	UN2211-X	TRANSISTOR		
Q9001	KTC3195/O/-T	TRANSISTOR		
Q9002	KTC3195/O/-T	TRANSISTOR		
Q9003	2SA1530A/QR/-X	TRANSISTOR		
Q9003 or	2SB709A/R/-X	TRANSISTOR		
Q9004	2SC3928A/RS/-X	TRANSISTOR		
Q9004 or	2SD601A/R/-X	TRANSISTOR		
Q9005	2SC3928A/RS/-X	TRANSISTOR		
Q9005 or	2SD601A/R/-X	TRANSISTOR		
Q9006	2SC3928A/RS/-X	TRANSISTOR		
Q9006 or	2SD601A/R/-X	TRANSISTOR		
D2502	SLR-342VR-T15	LED I M		
D2503	SLR-342VR-T15	LED I M		
D2504	SLR-342MG-T15	LED I M		
D3361	1SS133-T2	SI DIODE IM		
D3362	MTZJ3.9B-T2	Z DIODE		
D3363	1SS133-T2	SI DIODE IM		
D3571	SELU1E54CM-P	LED		
D3572	SELU1E54CM-P	LED		
D3791	MTZJ6.2A-T2	Z DIODE		
D4301	1SS133-T2	SI DIODE IM		
D4302	1SS133-T2	SI DIODE IM		
D5501	1SS133-T2	SI DIODE IM		
D6303	1SS133-T2	SI DIODE IM		
D6501	MTZJ4.7A-T2	Z DIODE		
D6502	MTZJ3.6A-T2	ZENER DIODE IM		
D6503	1SS133-T2	SI DIODE IM		
D7351	1SS133-T2	SI DIODE IM		
D7352	1SS133-T2	SI DIODE IM		
D7353	1SS133-T2	SI DIODE IM		
D7354	1SS133-T2	SI DIODE IM		
D7355	1SS133-T2	SI DIODE IM		
D7357	1SS133-T2	SI DIODE IM		
D7358	1SS133-T2	SI DIODE IM		
D7359	1SS133-T2	SI DIODE IM		
D7360	1SS133-T2	SI DIODE IM		
D8351	1SS133-T2	SI DIODE IM		
D8352	1SS133-T2	SI DIODE IM		
D8353	1SS133-T2	SI DIODE IM		
D8354	1SS133-T2	SI DIODE IM		
D9007	1N4003S-T5	SI DIODE		
D9011	MTZJ5.1C-T2	Z DIODE		
D9012	MA700A-T2	S.B.DIODE		
D9013	1SS133-T2	SI DIODE IM		
D9126	1SS133-T2	SI DIODE IM		
C2501	QER61HM-105Z	E CAPACITOR	1uF 50V M	
C2502	QER61CM-476Z	E CAPACITOR	47uF 16V M	
C2503	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C2521	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2522	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2523	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2524	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3361	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C3362	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C3571	QEKC1CM-476Z	E CAPACITOR	47uF 16V M	
C3791	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C4142	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C4143	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4144	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4145	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C4151	NCS31HJ-681X	C CAPACITOR	680pF 50V J	
C4152	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C4242	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C4243	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4244	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C4245	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C4251	NCS31HJ-681X	C CAPACITOR	680pF 50V J	
C4252	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C4341	QEKC1CM-476Z	E CAPACITOR	47uF 16V M	
C4342	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C4343	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C4344	QEKC1HM-226Z	E CAPACITOR	22uF 50V M	
C4351	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5101	QFLC1HJ-152Z	M CAPACITOR	1500pF 50V J	
C5102	QER61EM-475Z	E CAPACITOR	4.7uF 25V M	
C5103	QER61EM-106Z	E CAPACITOR	10uF 25V M	
C5104	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C5105	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C5106	QFLC1HJ-562Z	M CAPACITOR	5600pF 50V J	
C5107	NCS31HJ-221X	C CAPACITOR	220pF 50V J	
C5201	QFLC1HJ-152Z	M CAPACITOR	1500pF 50V J	
C5202	QER61EM-475Z	E CAPACITOR	4.7uF 25V M	
C5203	QER61EM-106Z	E CAPACITOR	10uF 25V M	
C5204	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C5205	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C5206	QFLC1HJ-562Z	M CAPACITOR	5600pF 50V J	
C5207	NCS31HJ-221X	C CAPACITOR	220pF 50V J	
C5301	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C5302	QER61HM-105Z	E CAPACITOR	1uF 50V M	
C5303	QER61HM-225Z	E CAPACITOR	2.2uF 50V M	
C5304	QER61HM-105Z	E CAPACITOR	1uF 50V M	
C5305	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C5306	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C5307	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C5309	QEKC1HM-474Z	E CAPACITOR	0.47uF 50V M	
C5501	QER61AM-107Z	E CAPACITOR	100uF 10V M	
C5502	QEKC1EM-476Z	E CAPACITOR	47uF 25V M	
C5503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6150	QER61HM-105Z	E CAPACITOR	1uF 50V M	
C6151	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C6152	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C6153	QER61AM-107Z	E CAPACITOR	100uF 10V M	
C6155	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C6156	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C6157	NCS31HJ-271X	C CAPACITOR	270pF 50V J	
C6250	QER61HM-105Z	E CAPACITOR	1uF 50V M	
C6251	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C6252	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C6253	QER61AM-107Z	E CAPACITOR	100uF 10V M	
C6255	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C6256	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C6257	NCS31HJ-271X	C CAPACITOR	270pF 50V J	
C6350	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C6351	QEKC1CM-476Z	E CAPACITOR	47uF 16V M	
C6352	QEKC1CM-226Z	E CAPACITOR	22uF 16V M	
C7351	QETN1HM-104Z	E CAPACITOR	0.1uF 50V M	
C7352	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C7353	QETN1HM-334Z	E CAPACITOR	0.33uF 50V M	
C7354	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7355	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7356	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C7357	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C7358	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7359	QFLC1HJ-683Z	M CAPACITOR	0.068uF 50V J	
C7360	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C7361	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C7362	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C7363	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C7365	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7366	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C7367	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7368	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C7369	NCS31HJ-331X	C CAPACITOR	330pF 50V J	
C7370	QETN1HM-104Z	E CAPACITOR	0.1uF 50V M	
C7381	NCS31HJ-221X	C CAPACITOR	220pF 50V J	
C7382	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C8351	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C8352	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C8353	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C8354	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C8355	QFVF1HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C8356	QEKC1CM-107Z	E CAPACITOR	100uF 16V M	
C8357	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C8358	QEKC1HM-226Z	E CAPACITOR	22uF 50V M	
C8359	QEKC1HM-106Z	E CAPACITOR	10uF 50V M	
C8360	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C8361	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C8362	NCB21HK-473X	C CAPACITOR	0.047uF 50V K	
C8363	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C9001	QER61AM-107Z	E CAPACITOR	100uF 10V M	
C9002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9003	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9004	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9005	NCS31HJ-390X	C CAPACITOR	39pF 50V J	
C9006	NCS31HJ-390X	C CAPACITOR	39pF 50V J	
C9007	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C9008	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C9009	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C9010	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C9011	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9012	QER61HM-226Z	E CAPACITOR	22uF 50V M	
C9104	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9110	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9126	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9133	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9134	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9136	QER61HM-106Z	E CAPACITOR	10uF 50V M	
C9137	QER61HM-106Z	E CAPACITOR	10uF 50V M	
C9138	QER61HM-106Z	E CAPACITOR	10uF 50V M	
C9142	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9145	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C9146	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C9147	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C9148	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C9149	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C9150	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C9151	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C9178	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C9180	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9181	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9182	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C9187	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9188	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C9189	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9190	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9196	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9197	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9198	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
C9247	NCS31HJ-151X	C CAPACITOR	150pF 50V J	
R2501	NRS181J-271X	MG RESISTOR	270Ω 1/8W J	
R2504	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2505	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2506	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R2507	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R2508	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2509	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R2510	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R2511	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R2512	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2513	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2514	NRS181J-391X	MG RESISTOR	390Ω 1/8W J	
R2515	NRS181J-471X	MG RESISTOR	470Ω 1/8W J	
R2516	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2517	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2518	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2519	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2520	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2521	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R3361	QRE141J-390Y	C RESISTOR	39Ω 1/4W J	
R3362	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3363	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3571	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3572	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3573	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3574	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3575	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3576	QRE141J-331Y	C RESISTOR	330Ω 1/4W J	
R3577	QRE141J-331Y	C RESISTOR	330Ω 1/4W J	
R3671	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3672	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3791	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R3792	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3793	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3794	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R4141	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R4142	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R4143	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R4144	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R4145	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R4149	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4150	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4151	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4153	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R4155	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R4158	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R4159	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4160	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R4161	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R4241	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R4242	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J	
R4243	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R4244	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R4245	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R4249	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4250	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4251	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R4253	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R4255	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R4258	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R4259	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R4260	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R4261	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R4301	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R4341	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4342	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4343	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R4351	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4352	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R4353	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R5101	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R5102	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R5104	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R5201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R5202	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R5204	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R5301	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R5302	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R5303	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R5304	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R5305	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R5306	NRSA63J-475X	MG RESISTOR	4.7MΩ 1/16W J	
R5307	NRSA63J-475X	MG RESISTOR	4.7MΩ 1/16W J	
R5308	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R5501	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R5502	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6150	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6151	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6152	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6153	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6154	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6155	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6157	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6158	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6160	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6161	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6250	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6251	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R6252	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6253	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6254	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6255	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6257	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6258	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6260	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6261	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6335	QRE141J-121Y	C RESISTOR	120Ω 1/4W J	
R6350	QRE141J-121Y	C RESISTOR	120Ω 1/4W J	
R6351	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6353	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6354	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6401	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R7351	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R7352	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R7353	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R7354	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R7355	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R7356	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7357	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7358	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7359	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7360	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R7361	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7362	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R7365	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R7366	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R7367	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7368	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7369	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R7370	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R7371	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7372	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7373	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7374	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R7375	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7376	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7377	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7378	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7379	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R7380	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R7381	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7382	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7383	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R7384	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7385	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7386	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7387	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7388	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8351	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R8352	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R8353	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R8354	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8355	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R8356	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R8357	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8358	NRSA63J-475X	MG RESISTOR	4.7MΩ 1/16W J	
R8359	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8360	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R8361	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8362	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R8363	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R8364	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8365	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8366	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R8367	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R8368	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8369	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8370	NRSA02J-275X	MG RESISTOR	2.7MΩ 1/10W J	
R8371	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8372	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9001	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9002	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9003	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9004	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9011	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9012	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9013	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9014	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9017	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9018	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9102	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9104	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9105	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9107	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9108	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9115	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9116	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9118	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9119	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R9120	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9124	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9125	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9126	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9129	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9130	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9131	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9133	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9134	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9135	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9136	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9137	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9138	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9139	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9140	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9145	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9146	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9147	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9148	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9149	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9150	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9172	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9173	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9174	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9175	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9176	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9177	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R9178	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R9180	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9181	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9182	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9184	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9185	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9186	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9187	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9188	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9189	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9190	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9191	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9192	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9196	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9197	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9198	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9199	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9201	NRSA63F-473X	MG RESISTOR	47kΩ 1/16W F	
R9202	NRSA63F-154X	MG RESISTOR	150kΩ 1/16W F	
R9203	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9204	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R9207	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9208	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9209	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9218	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R9221	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9222	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9223	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9224	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9226	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9230	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9237	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R9238	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R9239	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9240	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R9272	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9273	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9274	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9275	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9278	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9282	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9285	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R9286	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
VR731	QVQ0287-B24	V RESISTOR		
VR901	QSW0626-001	R ENCODER		
VR902	QSW0626-001	R ENCODER		
L4351	QQR0621-001Z	FERRITE BEADS		
L4352	QQR0621-001Z	FERRITE BEADS		
L4353	QQL244K-100Z	COIL	10uH K	
L4354	NQR0007-002X	FERRITE BEADS		
L4355	NQR0007-002X	FERRITE BEADS		
L4356	NQR0007-002X	FERRITE BEADS		
L6351	NQR0007-002X	FERRITE BEADS		
L6352	NQR0007-002X	FERRITE BEADS		
L6353	NQR0007-002X	FERRITE BEADS		
L9001	QQL244K-100Z	COIL	10uH K	
L9002	QQL244K-100Z	COIL	10uH K	
CN251	QGB1216K1-10S	CONNECTOR	B-B (1-10)	
CN252	QGB1216K1-10S	CONNECTOR	B-B (1-10)	
CN403	QGF1205C2-09	CONNECTOR	FFC/FPC (1-9)	
CN404	QGF1036F2-17	CONNECTOR	FFC/FPC (1-17)	
CN405	QGF1205C2-10	CONNECTOR	FFC/FPC (1-10)	
CN406	QGF1205C2-09	CONNECTOR	FFC/FPC (1-9)	
CN407	QGF1210G1-13	CONNECTOR	FFC/FPC (1-13)	
CN408	QGF1210G1-13	CONNECTOR	FFC/FPC (1-13)	
CN751	QGA2001F1-04	CONNECTOR	W-B (1-4)	
CN901	QGB1216J1-10S	CONNECTOR	B-B (1-10)	
CN902	QGB1216J1-10S	CONNECTOR	B-B (1-10)	
CN904	QGA2501C3-03Z	CONNECTOR	W-B (1-3)	
DI901	QLD0332-002	LCD MODULE		
FW251	QUM213-14Z3Z3-E	PARA RIBON WIRE		
FW253	QUM213-14Z3Z3-E	PARA RIBON WIRE		
FW256	QJK002-020602-E	SIN CL C-B WIRE		
FW401	QUM212-08Z3Z3-E	PARA RIBON WIRE		
FW403	QJK003-040704-E	SIN CL C-B WIRE		
J4301	QNS0186-001	JACK		
J6301	QNS0072-001	HEADPHONE JACK		
J7351	QNS0148-001	6.3 JACK		
K5101	NQR0288-004X	FERRITE BEADS		
K5102	NQR0360-001X	FERRITE BEADS		
K5201	NQR0288-004X	FERRITE BEADS		
K5202	NQR0360-001X	FERRITE BEADS		
K7351	QQR0621-001Z	FERRITE BEADS		
K9001	QQR0621-001Z	FERRITE BEADS		
K9003	QQR0621-001Z	FERRITE BEADS		
K9005	NQR0007-002X	FERRITE BEADS		
S2501	QSW0622-001Z	TACT SW		
S2502	QSW0622-001Z	TACT SW		
S2503	QSW0622-001Z	TACT SW		
S2504	QSW0622-001Z	TACT SW		
S2505	QSW0622-001Z	TACT SW		
S2506	QSW0622-001Z	TACT SW		
S2507	QSW0622-001Z	TACT SW		
S2508	QSW0622-001Z	TACT SW		
S2509	QSW0622-001Z	TACT SW		
S2510	QSW0622-001Z	TACT SW		
S2512	QSW0622-001Z	TACT SW		
S2513	QSW0622-001Z	TACT SW		
S2521	QSW0122-001	PUSH SWITCH		
X9001	QAX0401-001	CRYSTAL		
X9002	QAX0416-001Z	CERA LOCK		

Power supply board (B,E,EN,EV ver.)

Block No. [0][7]

⚠ Symbol No.	Part No.	Part Name	Description	Local
⚠ D1901	TS6P05G-07	SI DIODE		
D1902	6A10E2	SI DIODE		
⚠ C1901	QFLC1HJ-683Z	M CAPACITOR	0.068uF 50V J	
⚠ C1902	QFLC1HJ-683Z	M CAPACITOR	0.068uF 50V J	
⚠ C1903	QFLC1HJ-683Z	M CAPACITOR	0.068uF 50V J	
⚠ C1904	QFLC1HJ-683Z	M CAPACITOR	0.068uF 50V J	
R1901	QRJ146J-103X	UNF C RESISTOR	10kΩ 1/4W J	
CN191	QGA2501C1-09	CONNECTOR	W-B (1-9)	
CN192	QGB2501K1-04	CONNECTOR	B-B (1-4)	
CN193	QGA2501C1-05	CONNECTOR	W-B (1-5)	
CN194	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN195	QGA3901C1-02	CONNECTOR	W-B (1-2)	

⚠ Symbol No.	Part No.	Part Name	Description	Local
J1901	QNC0003-001	AC SOCKET		
J1902	QNA0016-001	DC JACK		
⚠LF191	QQR1321-001	LINE FILTER		
⚠Z1901	QNG0020-001Z	FUSE CLIP I.M		
⚠Z1902	QNG0020-001Z	FUSE CLIP I.M		
⚠Z1904	QNG0020-001Z	FUSE CLIP I.M		
⚠Z1911	QNG0020-001Z	FUSE CLIP I.M		
⚠Z1922	QNG0020-001Z	FUSE CLIP I.M		
⚠Z1944	QNG0020-001Z	FUSE CLIP I.M		

CD servo board (B,E,EN,EV ver.)

Block No. [0][8]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC251	MN101C61GNJ	IC		
IC601	AN22002A-W	IC		
IC651	MN6627934CH	IC		
IC671	GLT4160L04P50TC	IC		
IC681	SN74AHC1G32DC-X	IC		
IC682	SN74LV08APW-X	IC		
IC801	AN4801SB-W	IC		
Q231	2SC2814/4-5/-X	TRANSISTOR		
Q232	2SC2814/4-5/-X	TRANSISTOR		
Q291	2SB1424/QR/-W	TRANSISTOR		
Q631	2SA1530A/QR/-X	TRANSISTOR		
Q631	or 2SA1037AK/RS/-X	TRANSISTOR		
D251	RB521S-30-X	SB DIODE		
D252	RB521S-30-X	SB DIODE		
D601	1SS355-X	DIODE C.M		
C231	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C232	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C233	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C234	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C252	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	
C253	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C259	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C291	QERF0JM-226Z	E CAPACITOR	22uF 6.3V M	
C603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C604	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C605	NDC31HJ-391X	C CAPACITOR	390pF 50V J	
C606	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C609	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C610	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	
C611	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C612	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C614	NCB31CK-393X	C CAPACITOR	0.039uF 16V K	
C615	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C616	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C621	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C622	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C624	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C631	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
C632	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C633	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C641	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C651	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C652	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C653	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C654	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C655	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C656	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C657	NCS31HJ-681X	C CAPACITOR	680pF 50V J	
C658	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C659	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C661	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C662	NCB31CK-823X	C CAPACITOR	0.082uF 16V K	
C663	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C664	QERF0JM-476Z	E CAPACITOR	47uF 6.3V M	
C665	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C666	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C667	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C669	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C672	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C673	QEKJ1EM-106Z	E CAPACITOR	10uF 25V M	
C674	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C675	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C676	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C677	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C678	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C681	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C690	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C801	QERF1AM-227Z	E CAPACITOR	220uF 10V M	
C802	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C803	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C804	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C805	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C806	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
R231	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R232	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R233	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R234	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R236	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R251	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R253	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R255	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R256	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R258	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R259	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R260	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R261	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R262	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R263	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R264	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R266	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R267	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R268	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R271	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R274	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R278	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R293	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R294	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R295	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R296	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R297	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R298	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R299	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R601	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R602	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R603	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R604	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R607	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R608	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R611	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R613	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R617	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R621	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R625	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R631	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R632	NRSA63J-3R9X	MG RESISTOR	3.9Ω 1/16W J	
R634	NRSA63J-3R9X	MG RESISTOR	3.9Ω 1/16W J	
R635	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R651	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R652	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R653	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R654	NRSA63J-753X	MG RESISTOR	75kΩ 1/16W J	
R655	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R656	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R657	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R658	NRSA63J-241X	MG RESISTOR	240Ω 1/16W J	
R659	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R661	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R662	NRSA02J-101X	MG RESISTOR	100Ω 1/10W J	
R664	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R665	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R666	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R667	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R668	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R669	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R671	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R672	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R673	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R674	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R675	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R676	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R678	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R679	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R681	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R682	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R801	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R803	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R805	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R807	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R809	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R811	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R812	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R814	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R815	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R816	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R818	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R830	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R831	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R832	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R833	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R834	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R835	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R836	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R837	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R838	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R839	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R840	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R841	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R842	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R843	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R844	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R845	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R846	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R847	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R848	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
CN601	QGF1008F2-16	CONNECTOR	FFC/FPC (1-16)	
CN603	QGA2501F1-02	CONNECTOR	W-B (1-2)	
CN651	QGF1036F2-17	CONNECTOR	FFC/FPC (1-17)	
FW602	QJK004-060601-E	SIN CL C-B WIRE		
K251	NQR0007-002X	FERRITE BEADS		
K252	NQR0007-002X	FERRITE BEADS		
K254	NQR0007-002X	FERRITE BEADS		
K651	QQR0621-001Z	FERRITE BEADS		
K654	NQR0007-002X	FERRITE BEADS		
X251	QAX0684-001Z	C RESONATOR		
X651	NAX0476-001X	CRYSTAL		

Head amplifier & Cassette switch board

Block No. [0][9]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC1	SG-105F3/Z1/	PHOTO SENSER		
IC31	BA3126N	IC		
IC32	AN7317	IC		
IC33	BU4094BCF-X	IC		
Q101	DTC114TKA-X	TRANSISTOR		
Q102	DTC114TKA-X	TRANSISTOR		
Q201	DTC114TKA-X	TRANSISTOR		
Q202	DTC114TKA-X	TRANSISTOR		
Q301	DTA144EKA-X	DIGI TRANSISTOR		
Q302	2SC2001/K/-T	TRANSISTOR		
Q303	2SC2001/K/-T	TRANSISTOR		
Q304	2SC2001/LK/-T	TRANSISTOR		
Q305	2SC2001/LK/-T	TRANSISTOR		
Q306	2SC2412K/RS/-X	TRANSISTOR		
Q307	2SC2412K/RS/-X	TRANSISTOR		
Q308	2SC2412K/RS/-X	TRANSISTOR		
Q309	2SC2412K/RS/-X	TRANSISTOR		
Q321	DTC144EKA-X	DIGI TRANSISTOR		
Q323	2SC2412K/RS/-X	TRANSISTOR		
Q371	2SA952/LK/-T	TRANSISTOR		
Q372	DTC124EKA-X	DIGI TRANSISTOR		
Q375	2SB562/C/-T	TRANSISTOR		
Q376	2SC2412K/RS/-X	TRANSISTOR		
D1	1SR139-400-T2	SI DIODE		
D301	MA152WA-X	DIODE		
D309	MA704A-X	S.K.DIODE		
D375	HZM5.1NB2-X	Z DIODE		
C101	NCS21HJ-821X	C CAPACITOR	820pF 50V J	
C102	NCS21HJ-221X	C CAPACITOR	220pF 50V J	
C103	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C104	NCB21HK-333X	C CAPACITOR	0.033uF 50V K	
C105	NCB21HK-222X	C CAPACITOR	2200pF 50V K	
C106	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C107	NCS21HJ-561X	C CAPACITOR	560pF 50V J	
C108	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
C109	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
C110	NCB21HK-682X	C CAPACITOR	6800pF 50V K	
C111	NCB21HK-122X	C CAPACITOR	1200pF 50V K	
C112	NCB21EK-683X	C CAPACITOR	0.068uF 25V K	
C113	NCB21HK-222X	C CAPACITOR	2200pF 50V K	
C121	NCS21HJ-331X	C CAPACITOR	330pF 50V J	
C201	NCS21HJ-821X	C CAPACITOR	820pF 50V J	
C202	NCS21HJ-221X	C CAPACITOR	220pF 50V J	
C203	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C204	NCB21HK-333X	C CAPACITOR	0.033uF 50V K	
C205	NCB21HK-222X	C CAPACITOR	2200pF 50V K	
C206	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C207	NCS21HJ-561X	C CAPACITOR	560pF 50V J	
C208	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
C209	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
C210	NCB21HK-682X	C CAPACITOR	6800pF 50V K	
C211	NCB21HK-122X	C CAPACITOR	1200pF 50V K	
C212	NCB21EK-683X	C CAPACITOR	0.068uF 25V K	
C213	NCB21HK-222X	C CAPACITOR	2200pF 50V K	
C221	NCS21HJ-331X	C CAPACITOR	330pF 50V J	
C301	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C302	NCB21HK-393X	C CAPACITOR	0.039uF 50V K	
C303	QEKJ0JM-227Z	E CAPACITOR	220uF 6.3V M	
C304	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	
C305	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M	
C306	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C307	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C308	NCB21HK-562X	C CAPACITOR	5600pF 50V K	
C309	NCB21HK-562X	C CAPACITOR	5600pF 50V K	
C310	NCB21HK-223X	C CAPACITOR	0.022uF 50V K	
C311	NCB21HK-682X	C CAPACITOR	6800pF 50V K	
C313	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C314	QCZ0202-155Z	C CAPACITOR	1.5uF 25V Z	
C315	QCZ0202-155Z	C CAPACITOR	1.5uF 25V Z	
C316	QFG32AJ-103Z	PP CAPACITOR	0.01uF 100V J	
C318	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C319	QFG32AJ-821Z	PP CAPACITOR	820pF 100V J	
C321	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C322	QFG32AJ-152Z	PP CAPACITOR	1500pF 100V J	
C331	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C351	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C371	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M	
C374	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C375	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C376	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C391	NCB31HK-681X	C CAPACITOR	680pF 50V K	

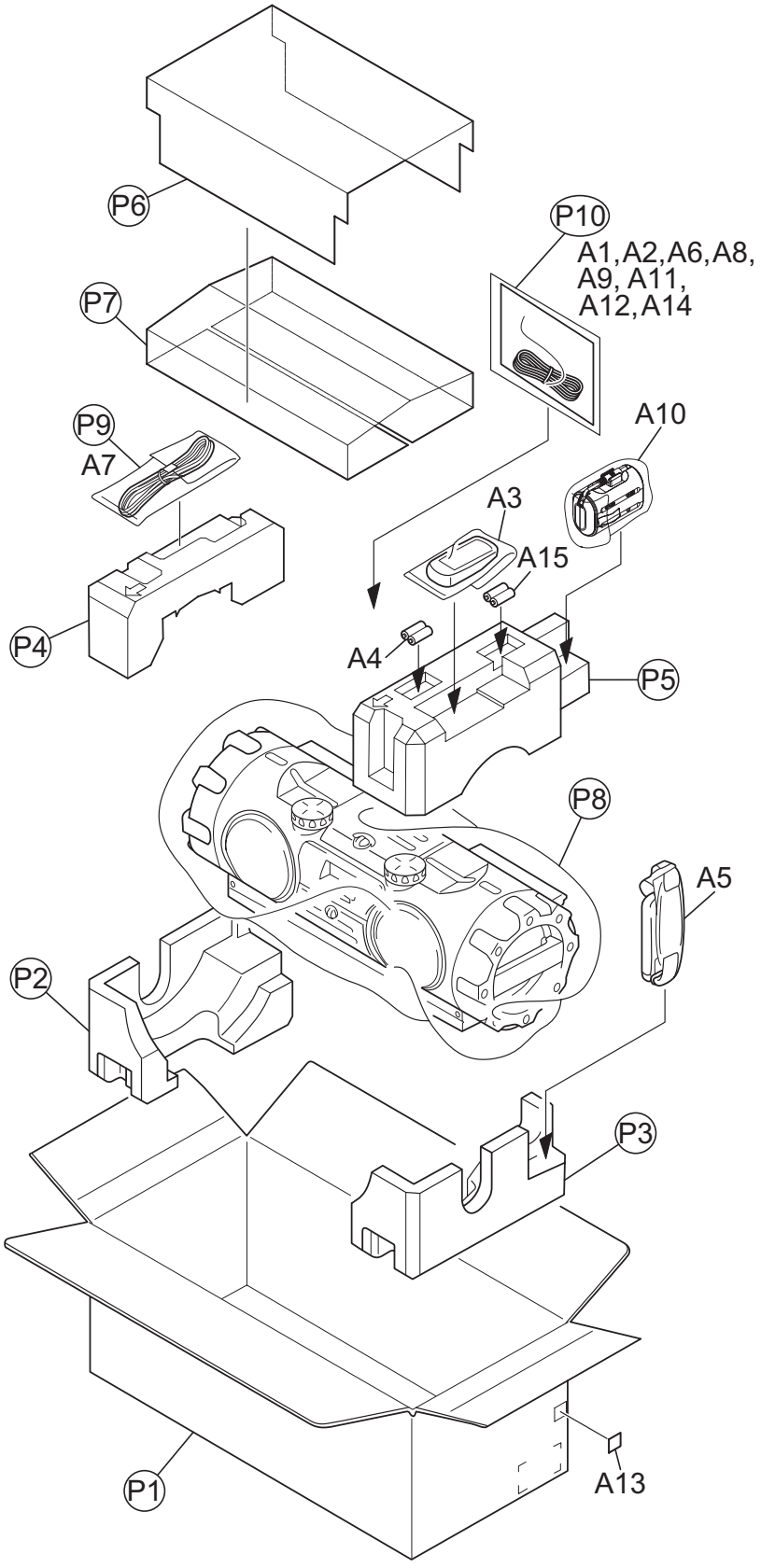
⚠ Symbol No.	Part No.	Part Name	Description	Local
R101	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R103	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J	
R104	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R105	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R106	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R107	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R108	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R109	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R110	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R111	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R112	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R113	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R114	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R116	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R121	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R201	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R202	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R203	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J	
R204	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R205	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R207	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R208	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R209	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R210	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R211	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R212	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R213	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R214	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R216	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R221	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R301	NRS181J-221X	MG RESISTOR	220Ω 1/8W J	
R303	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R304	NRS181J-101X	MG RESISTOR	100Ω 1/8W J	
R305	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R306	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R310	NRS181J-560X	MG RESISTOR	56Ω 1/8W J	
R311	NRS181J-560X	MG RESISTOR	56Ω 1/8W J	
R313	NRSA63J-3R3X	MG RESISTOR	3.3Ω 1/16W J	
R314	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R315	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R316	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R317	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R319	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R322	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R327	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R332	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R333	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R335	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R336	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R337	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R338	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R339	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R340	NRS181J-391X	MG RESISTOR	390Ω 1/8W J	
R341	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R342	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R343	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R351	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R352	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R371	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R372	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R375	NRSA02J-151X	MG RESISTOR	150Ω 1/10W J	
R376	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
VR31	QVP0008-503Z	TRIM RESISTOR	50kΩ	
VR32	QVP0008-503Z	TRIM RESISTOR	50kΩ	
VR37	QVP0008-103Z	TRIM RESISTOR	10kΩ	
L301	QQR0620-001	OSC COIL(BIAS)		
L303	QQL01BK-100Z	COIL	10uH K	
CN1	QGB2011L1-10	CONNECTOR	B-B (1-10)	
CN31	QGF1201F3-06	CONNECTOR	FFC/FPC (1-6)	
CN32	QGB2011M1-10	CONNECTOR	B-B (1-10)	
CN33	QGF1205F1-09	CONNECTOR	FFC/FPC (1-9)	
CN34	QGF1201F3-10	CONNECTOR	FFC/FPC (1-10)	
P1	QNZ0104-001	POST PIN		
SW1	QSW0832-001	CASS.SWITCH		
SW2	QSW0832-001	CASS.SWITCH		
SW4	QSW0832-001	CASS.SWITCH		
SW5	QSW0832-001	CASS.SWITCH		
SW6	QSW0859-001	DETECT SWITCH		

< MEMO >

Packing materials and accessories parts list

Block No. M 3 M M

No additional / supplemental order of WARRANTY CARDs are available



Packing and Accessories

Block No. [M][3][M][M]

⚠	Symbol No.	Part No.	Part Name	Description	Local
	A 1	LVT1539-001A	INST BOOK	ENG	NB10BJ,NB10WJ
	A 1	LVT1539-002A	INST BOOK	ENG FRE	NB10BC,NB10WC
	A 1	LVT1539-003A	INST BOOK	ENG	NB10BB,NB10WB
	A 1	LVT1539-004A	INST BOOK	GER FRE	NB10BE,NB10WE
	A 1	LVT1539-006A	INST BOOK	SWE FIN DAN	NB10BEN,NB10WEN
	A 1	LVT1539-008A	INST BOOK	POL CZE HUN RUS	NB10BEV
	A 2	LVT1539-005A	INST BOOK	DUT ITA	NB10BE,NB10WE
	A 2	LVT1539-007A	INST BOOK	SPA POR	NB10BEN,NB10WEN
	A 3	RM-SRVNB10J	REMOCON UNIT		NB10BJ,NB10BC,NB10WJ,NB10WC
	A 3	RM-SRVNB10E	REMOCON UNIT		NB10BB,NB10BE,NB10BEN,NB10BEV,NB10WB,NB10WE,NB10WEN
	A 4	----------	BATTERY	(x4)	NB10BJ,NB10BC,NB10WJ,NB10WC
	A 5	LV36929-001A	SHOULDER BELT		
	A 6	----------	WARRANTY CARD	BT-54028-1	NB10BB,NB10BE,NB10BEN,NB10BEV,NB10WB,NB10WE,NB10WEN
⚠	A 7	QMPE090-183-JD	POWER CORD(EU)	1.83m BLACK	NB10BJ,NB10BC
⚠	A 7	QMPP060-183-JD	POWER CORD(EU)	1.83m BLACK	NB10BB
⚠	A 7	QMPL060-183-JD	POWER CORD(EU)	1.83m BLACK	NB10BE,NB10BEN,NB10BEV
⚠	A 7	QMPE429-183-JC	POWER CORD(EU)	1.83m WHITE	NB10WJ,NB10WC
⚠	A 7	QMPP309-183-JC	POWER CORD(EU)	1.83m WHITE	NB10WB
⚠	A 7	QMPL319-183-JC	POWER CORD(EU)	1.83m WHITE	NB10WE,NB10WEN
	A 8	QAM0786-001	AUDIO CABLE		NB10BB,NB10BE,NB10BEN,NB10BEV,NB10WB,NB10WE,NB10WEN
	A 9	VNA3000-204	REGIST CARD		NB10BB,NB10WB
	A 10	VFT-001D	FM TRANSMITTER		NB10BJ,NB10BC
	A 10	VFT-001WD	FM TRANSMITTER		NB10WJ,NB10WC
	A 11	----------	WARRANTY CARD	BT-52006-2	NB10BC,NB10WC
	A 12	YU20333	SAFETY INST.		NB10BJ,NB10BC,NB10WJ,NB10WC
	A 13	E409393-004	GOST LABEL		NB10BEV
	A 14	BT-51034-2	J=REGIST CARD		NB10BJ,NB10WJ
	A 15	----------	BATTERY	(x2)	NB10BB,NB10BE,NB10BEN,NB10BEV,NB10WB,NB10WE,NB10WEN
	P 1	LV36892-001A	CARTON		NB10BJ,NB10BC
	P 1	LV36892-002A	CARTON		NB10BB,NB10BE,NB10BEN,NB10BEV
	P 1	LV36893-001A	CARTON		NB10WJ,NB10WC
	P 1	LV36893-002A	CARTON		NB10WB,NB10WE,NB10WEN
	P 2	LV11289-001A	CUSHION BTM L		
	P 3	LV11289-002A	CUSHION BTM R		
	P 4	LV11289-003A	CUSHION UPPER L		
	P 5	LV11289-004A	CUSHION UPPER R		
	P 6	LV44656-001A	CARTON SPACER A		
	P 7	LV44657-001A	CARTON SPACER B		
	P 8	QPF16016015	POLY SHEET	160cm x 160cm	
	P 9	QPA01202505	POLY BAG	12cm x 25cm	NB10BJ,NB10BC,NB10BE,NB10BEN,NB10BEV, NB10WJ,NB10WC,NB10WE,NB10WEN
	P 9	QPA01503503	POLY BAG	15cm x 35cm	NB10BB,NB10WB
	P 10	QPA02503503P	POLY BAG	25cm x 35cm	